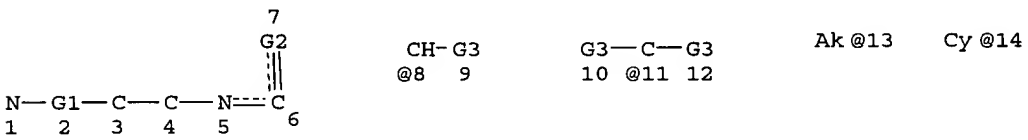
1 ref

102 (a) - 2nd Non-Final →

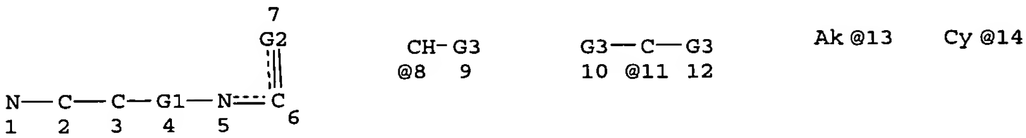
```
=> b reg
FILE 'REGISTRY' ENTERED AT 10:18:45 ON 26 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   25 SEP 2005  HIGHEST RN 863878-84-6
DICTIONARY FILE UPDATES:  25 SEP 2005  HIGHEST RN 863878-84-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d que sta l9
L6                STR
```




```
VAR G1=CH2/8/11
VAR G2=O/S
VAR G3=13/14
NODE ATTRIBUTES:
CONNECT IS M1  RC AT   1
CONNECT IS M2  RC AT   5
CONNECT IS M1  RC AT   6
CONNECT IS M1  RC AT  13
CONNECT IS M1  RC AT  14
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  14

STEREO ATTRIBUTES: NONE
L8         63869 SEA FILE=REGISTRY CSS FUL L6
L9          1235 SEA FILE=REGISTRY ABB=ON  PLU=ON  L8 AND SQL>=6
```

Search done by Noble Jarrell

=> d que sta l13
L10 STR



VAR G1=CH2/8/11
VAR G2=O/S
VAR G3=13/14
NODE ATTRIBUTES:
CONNECT IS M1 RC AT 1
CONNECT IS M1 RC AT 6
CONNECT IS M1 RC AT 13
CONNECT IS M1 RC AT 14
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L12 55487 SEA FILE=REGISTRY CSS FUL L10
L13 904 SEA FILE=REGISTRY ABB=ON PLU=ON L12 AND SQL>=9

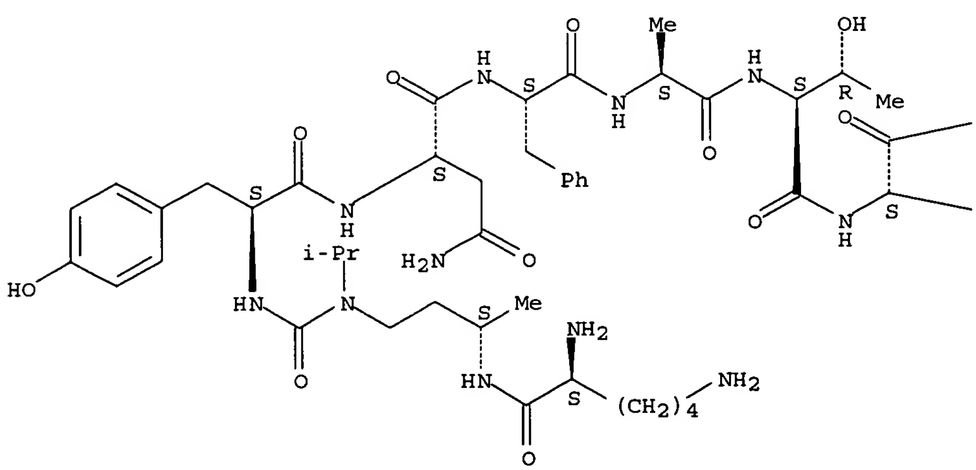
=> => d ide l5 tot

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
RN **282531-04-8** REGISTRY
ED Entered STN: 02 Aug 2000
CN L-Norleucinamide, N-[[[(3S)-3-[[(2S)-2,6-diamino-1-oxohexyl]amino]butyl](1-methylethyl)amino]carbonyl]-L-tyrosyl-L-asparaginyl-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C49 H78 N12 O11
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

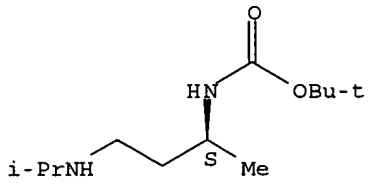
—NH_2

—Bu-n

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-56-3 REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H26 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 09:56:12 ON 26 SEP 2005)

FILE 'HCAPLUS' ENTERED AT 09:56:53 ON 26 SEP 2005
L1 9 (US2002-889178# OR FR99-597# OR WO2000-FR53#)/AP,PRN
L2 1 L1 AND PSEUDOPEPTIDE?/TI

FILE 'REGISTRY' ENTERED AT 09:58:53 ON 26 SEP 2005

FILE 'HCAPLUS' ENTERED AT 09:59:01 ON 26 SEP 2005
L3 TRA L2 1- RN : 12 TERMS

FILE 'REGISTRY' ENTERED AT 09:59:01 ON 26 SEP 2005
L4 12 SEA L3
SEL RN 1 5 L4
L5 2 E1-2 AND L4
L6 STR
L7 50 L6 CSS

```
L8         63869 L6 CSS FULL
L9          1235 L8 AND SQL>=6
L10              STR L6
L11           50 L10 CSS
L12        55487 L10 CSS FULL
L13          904 L12 AND SQL>=9

     FILE 'HCAPLUS' ENTERED AT 10:19:01 ON 26 SEP 2005
L14         1107 L9,L13
                 E BRIAND J/AU
L15          165 E3,E5
                 E BRIAND JEAN/AU
L16          196 E3,E9
                 E BRIAND JEANPAUL/AU
                 E SEMETEY V/AU
L17           26 E4
                 E LIMAL D/AU
L18           25 E3-4
                 E BIOMER/CS,PA
                 E BIOMERIEUX/CS,PA
L19          389 BIOMERIEUX/CS,PA
                 E BIO MERIEUX/CS,PA
L20          185 BIO MERIEUX/CS,PA
L21            3 L14 AND L15-20
L22         1104 L14 NOT L21
L23              QUE PY<1999 OR PRY<1999 OR AY<1999
L24          814 L22 AND L23

     FILE 'HCAOLD' ENTERED AT 10:22:30 ON 26 SEP 2005
L25           67 L9,L13

     FILE 'HCAOLD' ENTERED AT 10:23:51 ON 26 SEP 2005
                 SEL HIT RN L25

     FILE 'REGISTRY' ENTERED AT 10:23:57 ON 26 SEP 2005
L26           66 E1-71

     FILE 'HCAOLD' ENTERED AT 10:24:19 ON 26 SEP 2005
L27            2 L25 AND P/DT
                 SEL HIT RN

     FILE 'REGISTRY' ENTERED AT 10:24:51 ON 26 SEP 2005
L28            4 E72-75

     FILE 'HCAPLUS' ENTERED AT 10:26:04 ON 26 SEP 2005
L29          164 L24 AND P/DT
                 E PEPTIDES, PREPARATION/CT
L30        26158 PEPTIDES, PREPARATION/CT
                 E ANRIBODIES/CT
                 E ANTIBODIES/CT
                 E E3+ALL
                 E E2+ALL
L31              QUE "ANTIBODIES AND IMMUNOGLOBULINS"+OLD,NT/CT
                 E ANTIGENS/CT
                 E E3+ALL
L32              QUE ANTIGENS+NT/CT
L33           82 L24 AND L30
L34            3 L33 AND L31-32
L35           23 L24 AND L31-32
L36            2 L5
L37            2 L36 AND L15-20
L38            3 L21,L37
L39           23 L34,L35
                 SEL HIT RN

     FILE 'REGISTRY' ENTERED AT 10:32:42 ON 26 SEP 2005
```

L40 92 E1-92

=> b hcap
FILE 'HCAPLUS' ENTERED AT 10:32:59 ON 26 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 26 Sep 2005 VOL 143 ISS 14
FILE LAST UPDATED: 25 Sep 2005 (20050925/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all fhitseq l38 tot

L38 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:493567 HCAPLUS
DN 133:105351
ED Entered STN: 21 Jul 2000
TI Preparation of pseudopeptides for detecting antigens or antibodies
IN **Briand, Jean-Paul**, **Semetey, Vincent**, **Limal, David**
PA **Bio Merieux**, Fr.
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM C07K007-02
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 6, 63
FAN.CNT 1

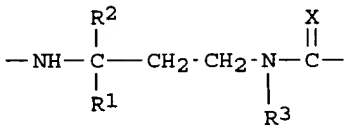
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000042065	A1	20000720	WO 2000-FR53	20000112
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2788527	A1	20000721	FR 1999-597	19990115
	EP 1140986	A1	20011010	EP 2000-900564	20000112
	EP 1140986	B1	20021211		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	AT 229540	E	20021215	AT 2000-900564	20000112
PRAI	FR 1999-597	A	19990115		
	WO 2000-FR53	W	20000112		

CLASS

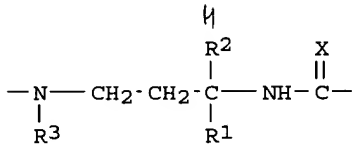
PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000042065	ICM	C07K007-02
WO 2000042065	ECLA	C07K007/02
FR 2788527	ECLA	C07K007/02

OS MARPAT 133:105351

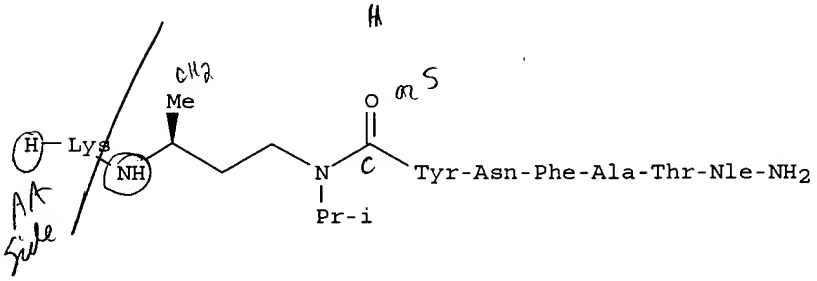
GI



I



II



III

AB The invention concerns a pseudopeptide of at least 6 amino acids comprising at least a unit selected among the general formulas I and/or II wherein: R1-R3 each independently of one another represent a side-chain of amino acids and can be identical or different; X represents an oxygen or sulfur atom. The invention also concerns its synthesis process, a reagent containing it, a detection kit comprising such a reagent, a method for detecting an antigen or an antibody using said pseudopeptide, and antibody or and anti-idiotype and finally a therapeutic composition Thus, pseudopeptide III was prepared for detecting antigens or antibodies (no data).

ST peptide pseudo prepn detecting antigen antibody; pseudopeptide prepn detecting antigen antibody

IT Antibodies
Antigens
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pseudopeptides for detecting antigens or antibodies)

IT Peptides, preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(pseudopeptides; preparation of pseudopeptides for detecting antigens or antibodies)

IT **282531-02-6P 282531-04-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pseudopeptides for detecting antigens or antibodies)

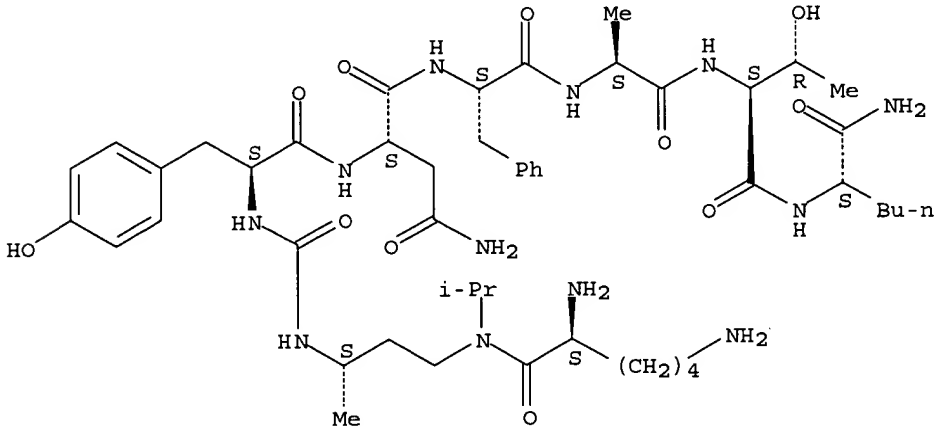
IT 15761-38-3 35661-39-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pseudopeptides for detecting antigens or antibodies)

IT 67919-80-6P 193954-23-3P 210533-61-2P 223922-49-4P 223922-53-0P
223922-56-3P 223922-60-9P 282531-03-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pseudopeptides for detecting antigens or antibodies)
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Bradshaw, C; J MED CHEM 1994, V37, P1991 HCAPLUS
(2) Dallaire, C; TETRAHEDRON LETTERS 1998, V39(29), P5129 HCAPLUS
(3) Limal, D; TETRAHEDRON LETTERS 1999, V40(14), P2749 HCAPLUS
(4) Nouvet, A; TETRAHEDRON LETTERS 1998, V39(15), P2099 HCAPLUS
(5) Searle & Co; EP 0126974 A 1984 HCAPLUS
(6) Talley, J; US 5475013 A 1995 HCAPLUS
(7) Univ Tulane; WO 9213883 A 1992 HCAPLUS
IT 282531-02-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pseudopeptides for detecting antigens or antibodies)
RN 282531-02-6 HCAPLUS
CN L-Norleucinamide, N-[[[(1S)-3-[[(2S)-2,6-diamino-1-oxohexyl](1-methylethyl)amino]-1-methylpropyl]amino]carbonyl]-L-tyrosyl-L-asparaginyl-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)

NTE modified

SEQ 1 KXYNFATX

Absolute stereochemistry.



L38 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1999:223728 HCAPLUS
DN 130:325384
ED Entered STN: 12 Apr 1999
TI Solid-phase synthesis of N,N'-unsymmetrically substituted ureas: application to the synthesis of carbaza peptides
AU Limal, David; Semetey, Vincent; Dalbon, Pascal; Jolivet, Michel; Briand, Jean-Paul
CS Laboratoire de Chimie Immunologique, U.P.R. 9021 C.N.R.S., Institut de Biologie Moleculaire et Cellulaire, Strasbourg, 67084, Fr.
SO Tetrahedron Letters (1999), 40(14), 2749-2752
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English

Accepted pp EEFD

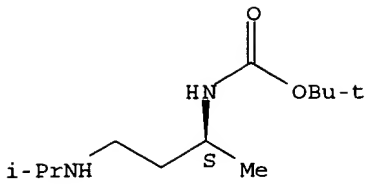
Search done by Noble Jarrell

Ø
(1/15/99 P.D.)

CC 34-3 (Amino Acids, Peptides, and Proteins)
OS CASREACT 130:325384
AB The synthesis of Boc- or Fmoc-mono-protected propylenediamine derivs. is reported starting from N-protected α-amino acids. The introduction of these building blocks on solid support via the formation of a urea moiety leads to a new pseudopeptide family (Cα-CH2-CH2-Nα(R)-CO-NH-Cα). Two carbonylating reagents, i.e N,N'-carbonyldiimidazole and tri-phosgene, as well as different coupling procedures, have been tested to optimize the Boc and Fmoc solid-phase synthesis of a model peptide incorporating this isosteric replacement.
ST propylenediamine carbaza pseudopeptide prepn amino acid carbonylation
IT Peptides, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(pseudopeptides, carbaza; solid phase synthesis of unsym. substituted ureas and application to synthesis of carbaza peptides)
IT Carbonylation
Solid phase synthesis
(solid phase synthesis of unsym. substituted ureas and application to synthesis of carbaza peptides)
IT 67919-80-6P 193954-23-3P 210533-61-2P 223922-49-4P 223922-53-0P
223922-56-3P 223922-60-9P 223922-66-5P **223922-71-2DP**
, solid-supported **223922-76-7DP**, solid-supported 223922-90-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction in solid phase synthesis of unsym. substituted ureas as carbaza peptides)
IT **223922-80-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of by solid phase synthesis of unsym. substituted ureas as carbaza peptides)
IT 223922-85-8
RL: MSC (Miscellaneous)
(preparation of carbaza analog of by solid phase synthesis using unsym. substituted ureas)
IT 102-97-6 15761-38-3 35000-22-7 35661-39-3 223922-33-6D,
solid-supported
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction in solid phase synthesis of unsym. substituted ureas as carbaza peptides)
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Abdel-Magid, A; J Org Chem 1996, V61, P3849 HCAPLUS
(2) Burgess, K; J Am Chem Soc 1997, V119, P1556 HCAPLUS
(3) Fehrentz, J; Synthesis 1982, P676
(4) Gante, J; Synthesis 1989, P405 HCAPLUS
(5) Hutchins, S; Tetrahedron Lett 1995, V36, P2583 HCAPLUS
(6) Lemaire-Audoire, S; Tetrahedron Lett 1995, V36, P6109
(7) Limal, D; J Peptide Res 1998, V52, P121 HCAPLUS
(8) Limal, D; Tetrahedron Lett 1998, V39, P4239 HCAPLUS
(9) Majer, P; J Org Chem 1994, V59, P1937 HCAPLUS
(10) Mendre, C; European J Pharmacol 1990, V186, P213 HCAPLUS
(11) Nahm, S; Tetrahedron Lett 1981, V22, P3815 HCAPLUS
(12) Quibell, M; J Chem Soc Perkin Trans I 1993, P2843 HCAPLUS
(13) Spatola, A; Chemistry and Biochemistry of Amino Acids Peptide and Proteins 1983, V7, P267 HCAPLUS
(14) Zhang, X; J Org Chem 1997, V62, P6420 HCAPLUS
IT **223922-56-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction in solid phase synthesis of unsym. substituted ureas as carbaza peptides)
RN 223922-56-3 HCAPLUS
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Search done by Noble Jarrell



L38 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1998:355709 HCAPLUS
DN 129:136469
ED Entered STN: 12 Jun 1998
TI Direct synthesis of N-protected β-amino dimethylhydroxamates: application to the solid-phase synthesis of a peptide incorporating a new amide bond surrogate Ψ[CH2CH2NH]
AU Limal, David; Quesnel, Anne; Briand, Jean-Paul
CS Laboratoire d'Immunochimie des Peptides et des Virus, U.P.R. 9021, C.N.R.S., Institut de Biologie Moleculaire et Cellulaire, Strasbourg, 67084, Fr.
SO Tetrahedron Letters (1998), 39(24), 4239-4242
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
CC 34-3 (Amino Acids, Peptides, and Proteins)
AB A rapid and efficient one-step synthesis of β-amino-N,O-dimethylhydroxamates, XNHCH(R)CH2CON(Me)OMe [X = Boc, Fmoc; R = Me, CHMe2, CH2Ph, CH(Me)Et, CH2CH(Me)2, CH(Me)OCH2Ph, CH2C6H4OCH2Ph-4, CH2OCH2Ph, CH2OCMe3, (CH2)4NHCO2CH2C6H4Cl-2], from Boc- or Fmoc-protected amino acid starting materials via diazo ketone intermediates is reported. Reduction of the above N,O-dimethylhydroxamate gave an Fmoc-protected β-aminoaldehyde, which was, then, used in the solid phase synthesis of an antigenic peptide. The resulting pseudopeptide contained an ethyleneimino bond, [-CH2CH2NH-]. For example, the peptide Ac-CDFGSΨ[CH2CH2NH]LARRVA-OH was obtained in 22% yield using the above methodol.
ST hydroxamate dimethyl beta amino efficient synthesis; pseudopeptide antigenic ethyleneimino bond contg synthesis
IT Amide group
(amide bond substituted by methyleneimine or ethyleneimino in the synthesis of pseudopeptides)
IT Solid phase synthesis
(peptide; synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)
IT Peptides, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(pseudopeptides; synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)
IT Hydroxamic acids
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(β-amino, esters, N,O-dimethyl-; synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)
IT 2130-96-3 13139-15-6 13139-16-7 13734-34-4 13734-41-3 15260-10-3, Boc-Thr(Bzl)-OH 15761-38-3 23680-31-1 35661-40-6 54613-99-9 71989-33-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)
IT 52716-48-0P 60398-41-6P 67865-71-8P 67919-80-6P 114645-18-0P 114645-19-1P 172097-41-5P 193148-60-6P 203854-41-5P 210533-59-8P 210533-60-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)

IT 200949-36-6P 210533-61-2P 210533-62-3P 210533-63-4P 210533-64-5P
210533-65-6P 210533-66-7P 210533-67-8P 210533-68-9P 210533-69-0P
210533-70-3P 210533-71-4P 210533-72-5P **210533-73-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Apella, D; Nature 1997, V387, P381
(2) Brown, F; Submitted
(3) Fehrentz, J; Synthesis 1983, P676 HCAPLUS
(4) Guibourdenche, C; Helv Chem Acta 1997, V80, P1 HCAPLUS
(5) Hintermann, T; Chimia 1997, V50, P244
(6) King, D; Int J Pept Prot Res 1990, V36, P255 HCAPLUS
(7) Leggio, A; J Chem Soc Perkin Trans I 1997, P1969 HCAPLUS
(8) Marraud, M; Biopolymers 1996, V40, P45 HCAPLUS
(9) Moss, S; Chem Ind 1994, P122
(10) Neimark, J; Peptide Res 1993, V6, P219 HCAPLUS
(11) Podlech, J; Angew Chem Int Ed Eng 1995, V34, P471 HCAPLUS
(12) Podlech, J; Liebigs Ann 1995, P1217 HCAPLUS
(13) Rodriguez, M; Tetrahedron Lett 1990, V31, P5153 HCAPLUS
(14) Sasaki, Y; Peptides 1987, V8, P119 HCAPLUS
(15) Seebach, D; Chem Commun 1997, P2015 HCAPLUS
(16) Seebach, D; Helv Chim Acta 1996, V79, P2043 HCAPLUS
(17) Seebach, D; Helv Chim Acta 1996, V79, P913 HCAPLUS
(18) Sone, O; Tetrahedron Lett 1993, V34, P8449
(19) Spatola, A; Chemistry and Biochemistry of Amino Acids, Peptides, and Proteins 1983, V7, P267 HCAPLUS

IT **210533-73-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of β-amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)

RN 210533-73-6 HCAPLUS

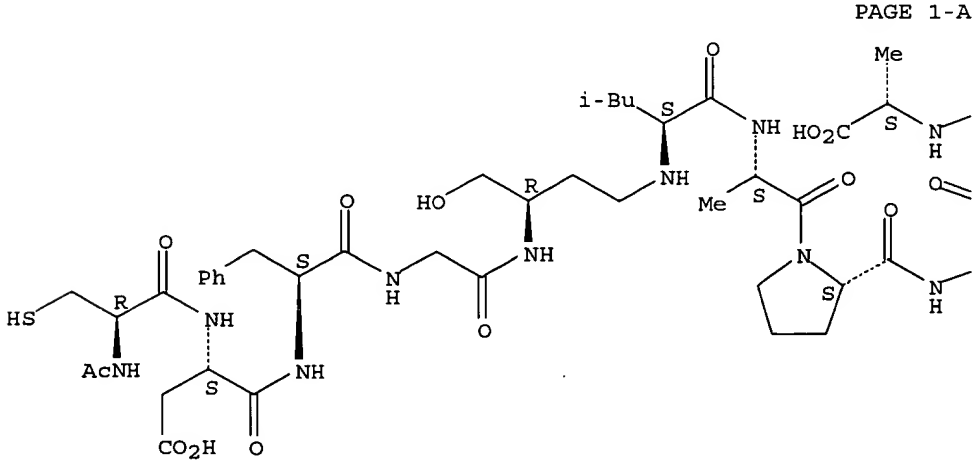
CN L-Alanine, N-[(3R)-3-[(N-acetyl-L-cysteinyl-L-α-aspartyl-L-phenylalanylglycyl)amino]-4-hydroxybutyl]-L-leucyl-L-alanyl-L-prolyl-L-arginyl-L-valyl- (9CI) (CA INDEX NAME)

NTE modified

SEQ 1 CDFGXLAPRV A

Absolute stereochemistry.

PAGE 1-A



Updated search

APPL.

```
=> d his

     (FILE 'HOME' ENTERED AT 09:56:12 ON 26 SEP 2005)

     FILE 'HCAPLUS' ENTERED AT 09:56:53 ON 26 SEP 2005
L1            9 (US2002-889178# OR FR99-597# OR WO2000-FR53#)/AP,PRN
L2            1 L1 AND PSEUDOPEPTIDE?/TI

     FILE 'REGISTRY' ENTERED AT 09:58:53 ON 26 SEP 2005

     FILE 'HCAPLUS' ENTERED AT 09:59:01 ON 26 SEP 2005
L3              TRA L2 1- RN :       12 TERMS

     FILE 'REGISTRY' ENTERED AT 09:59:01 ON 26 SEP 2005
L4           12 SEA L3

     FILE 'WPIX' ENTERED AT 09:59:05 ON 26 SEP 2005

=> b hcap;d all l2 tot
FILE 'HCAPLUS' ENTERED AT 10:00:06 ON 26 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)
```


FILE COVERS 1907 - 26 Sep 2005 VOL 143 ISS 14
FILE LAST UPDATED: 25 Sep 2005 (20050925/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:493567 HCAPLUS
DN 133:105351
ED Entered STN: 21 Jul 2000
TI Preparation of **pseudopeptides** for detecting antigens or antibodies
IN Briand, Jean-Paul; Semetey, Vincent; Limal, David
PA Bio Merieux, Fr.
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM C07K007-02
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 6, 63
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000042065	A1	20000720	WO 2000-FR53	20000112 <--

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,

APPL.

IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

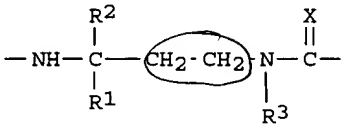
FR 2788527 A1 20000721 FR 1999-597 19990115 <--
EP 1140986 A1 20011010 EP 2000-900564 20000112 <--
EP 1140986 B1 20021211
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
AT 229540 E 20021215 AT 2000-900564 20000112 <--
PRAI FR 1999-597 A 19990115 <--
WO 2000-FR53 W 20000112 <--

CLASS

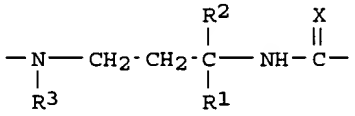
PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES	
WO 2000042065	ICM	C07K007-02	
WO 2000042065	ECLA	C07K007/02	<--
FR 2788527	ECLA	C07K007/02	<--

OS MARPAT 133:105351

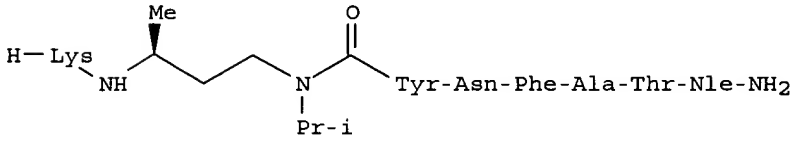
GI



I



II



III

AB The invention concerns a pseudopeptide of at least 6 amino acids comprising at least a unit selected among the general formulas I and/or II wherein: R1-R3 each independently of one another represent a side-chain of amino acids and can be identical or different; X represents an oxygen or sulfur atom. The invention also concerns its synthesis process, a reagent containing it, a detection kit comprising such a reagent, a method for detecting an antigen or an antibody using said pseudopeptide, and antibody or and anti-idiotype and finally a therapeutic composition Thus, pseudopeptide III was prepared for detecting antigens or antibodies (no data).

ST peptide pseudo prepn detecting antigen antibody; pseudopeptide prepn detecting antigen antibody

IT Antibodies
Antigens
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pseudopeptides for detecting antigens or antibodies)

IT Peptides, preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(pseudopeptides; preparation of pseudopeptides for detecting antigens or antibodies)
IT 282531-02-6P 282531-04-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pseudopeptides for detecting antigens or antibodies)
IT 15761-38-3 35661-39-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pseudopeptides for detecting antigens or antibodies)
IT 67919-80-6P 193954-23-3P 210533-61-2P 223922-49-4P 223922-53-0P 223922-56-3P 223922-60-9P 282531-03-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pseudopeptides for detecting antigens or antibodies)
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Bradshaw, C; J MED CHEM 1994, V37, P1991 HCAPLUS
(2) Dallaire, C; TETRAHEDRON LETTERS 1998, V39(29), P5129 HCAPLUS
(3) Limal, D; TETRAHEDRON LETTERS 1999, V40(14), P2749 HCAPLUS
(4) Nouvet, A; TETRAHEDRON LETTERS 1998, V39(15), P2099 HCAPLUS
(5) Searle & Co; EP 0126974 A 1984 HCAPLUS
(6) Talley, J; US 5475013 A 1995 HCAPLUS
(7) Univ Tulane; WO 9213883 A 1992 HCAPLUS

=> b reg;d ide 14 tot
FILE 'REGISTRY' ENTERED AT 10:00:13 ON 26 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6
DICTIONARY FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

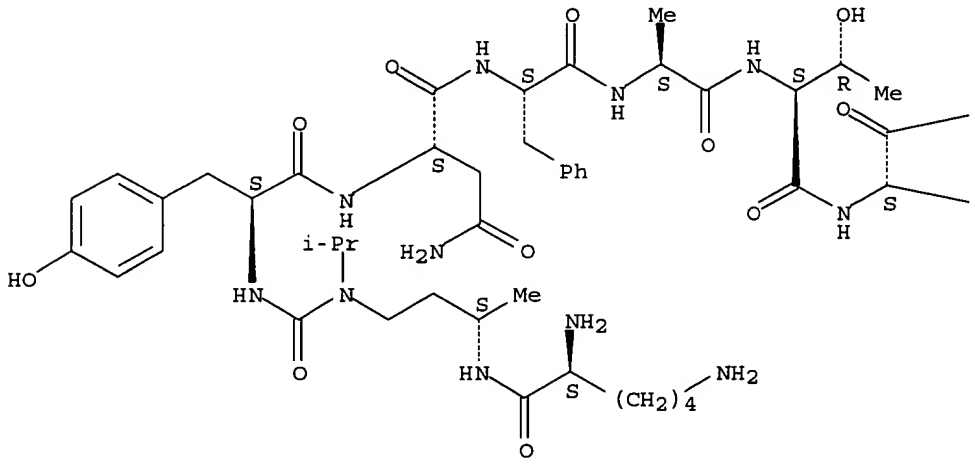
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

L4 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **282531-04-8** REGISTRY
ED Entered STN: 02 Aug 2000
CN L-Norleucinamide, N-[[[(3S)-3-[[(2S)-2,6-diamino-1-oxohexyl]amino]butyl](1-methylethyl)amino]carbonyl]-L-tyrosyl-L-asparaginyl-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C49 H78 N12 O11
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

—NH_2

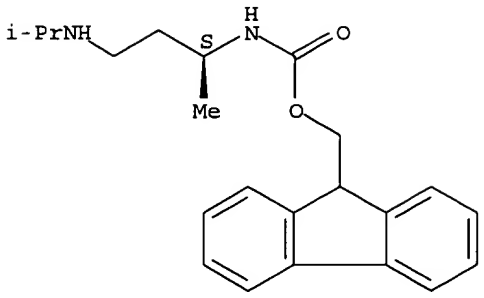
—Bu-n

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **282531-03-7** REGISTRY
ED Entered STN: 02 Aug 2000
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H28 N2 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS

Search done by Noble Jarrell

Absolute stereochemistry.



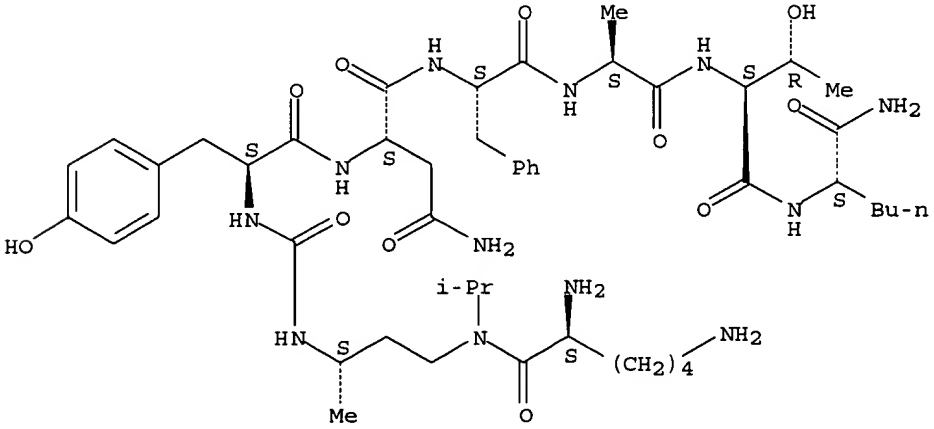
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **282531-02-6** REGISTRY
ED Entered STN: 02 Aug 2000
CN L-Norleucinamide, N-[[[(1S)-3-[[(2S)-2,6-diamino-1-oxohexyl](1-methylethyl)amino]-1-methylpropyl]amino]carbonyl]-L-tyrosyl-L-asparaginyl-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C49 H78 N12 O11
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

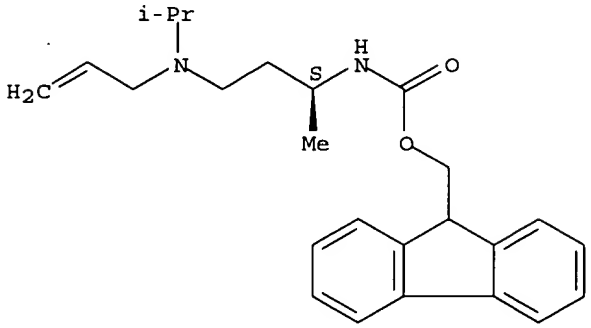


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **223922-60-9** REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)-2-propenylamino]propyl]-,

9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C25 H32 N2 O2
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

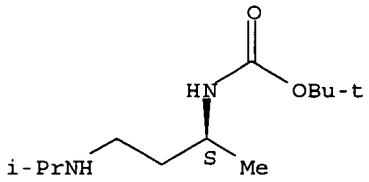


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-56-3 REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C12 H26 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

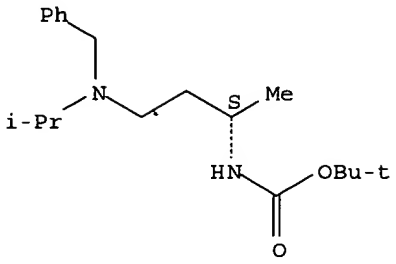


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-53-0 REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)(phenylmethyl)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C19 H32 N2 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

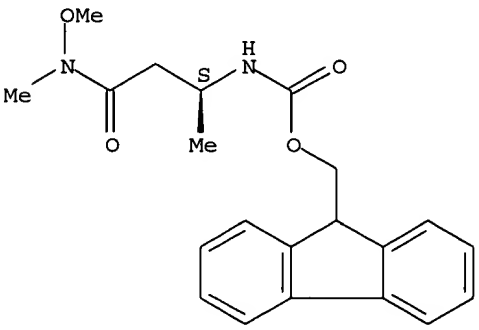


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **223922-49-4** REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-3-(methoxymethylamino)-1-methyl-3-oxopropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H24 N2 O4
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

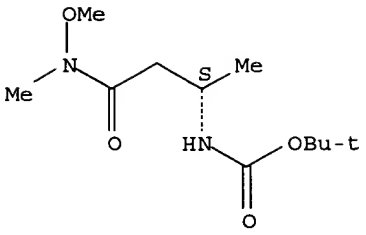


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **210533-61-2** REGISTRY
ED Entered STN: 27 Aug 1998
CN Carbamic acid, [(1S)-3-(methoxymethylamino)-1-methyl-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C11 H22 N2 O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

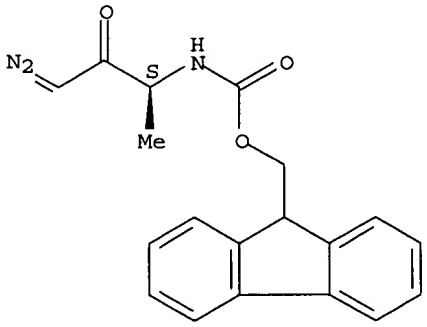


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **193954-23-3** REGISTRY
ED Entered STN: 12 Sep 1997
CN Carbamic acid, [(1S)-3-diazo-1-methyl-2-oxopropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbamic acid, (3-diazo-1-methyl-2-oxopropyl)-, 9H-fluoren-9-ylmethyl ester, (S)-
FS STEREOSEARCH
MF C19 H17 N3 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry. Rotation (-).

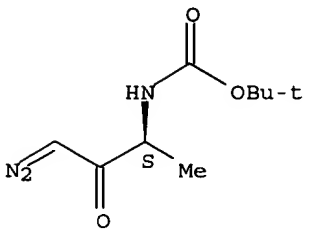


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

16 REFERENCES IN FILE CA (1907 TO DATE)
16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **67919-80-6** REGISTRY
ED Entered STN: 16 Nov 1984
CN Carbamic acid, [(1S)-3-diazo-1-methyl-2-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbamic acid, (3-diazo-1-methyl-2-oxopropyl)-, 1,1-dimethylethyl ester, (S)-
FS STEREOSEARCH
MF C9 H15 N3 O3
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry. Rotation (-).

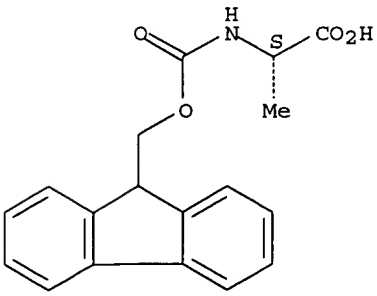


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

32 REFERENCES IN FILE CA (1907 TO DATE)
32 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 35661-39-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Alanine, N-[(9H-fluoren-9-ylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (9-Fluorenylmethoxycarbonyl)-L-alanine
CN (S)-N-Fmoc-alanine
CN FMOC-Alanine
CN FMOC-L-alanine
CN N-(9-Fluorenylmethoxycarbonyl)alanine
CN N-9-Fluorenylmethoxycarbonyl-L-alanine
CN NPC 14688
CN NSC 334296
FS STEREOSEARCH
MF C18 H17 N O4
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



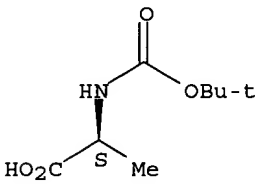
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

866 REFERENCES IN FILE CA (1907 TO DATE)
114 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
868 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

L4 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN **15761-38-3** REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Alanine, N-[(1,1-dimethylethoxy)carbonyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Alanine, N-carboxy-, N-tert-butyl ester, L- (8CI)
OTHER NAMES:
CN (2S)-2-[(tert-Butoxycarbonyl)amino]propanoic acid
CN (S)-2-(N-tert-Butoxycarbonyl)aminopropionic acid
CN (S)-2-[(tert-butoxycarbonyl)amino]propionic acid
CN (S)-2-[(tert-Butoxycarbonyl)amino]propionic acid
CN (tert-Butoxycarbonyl)alanine
CN (tert-Butyloxycarbonyl)-L-alanine
CN BOC-L-alanine
CN N-(tert-Butoxycarbonyl)-(S)-alanine
CN N-(tert-Butoxycarbonyl)-L-alanine
CN N-(tert-Butoxycarbonyl)alanine
CN N-(tert-Butyloxycarbonyl)-L-alanine
CN N-BOC-L-alanine
CN N-t-BOC-L-alanine
CN N-tert-BOC-(S)-alanine
CN tert-Butoxycarbonyl-L-alanine
FS STEREOSEARCH
DR 90580-61-3, 186665-28-1, 207305-56-4
MF C8 H15 N O4
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2668 REFERENCES IN FILE CA (1907 TO DATE)
146 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2669 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> b home

FILE 'HOME' ENTERED AT 10:00:18 ON 26 SEP 2005

=>

****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d sqide 140 tot

L40 ANSWER 1 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **251639-98-2** REGISTRY
CN Hexadecanamide, 2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-isoleucyl-L-arginyl-L-isoleucyl-L-glutaminyl-L-arginylglycyl-L-prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-isoleucylglycyl-L-lysyl-2-amino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 18
NTE modified (modifications unspecified)

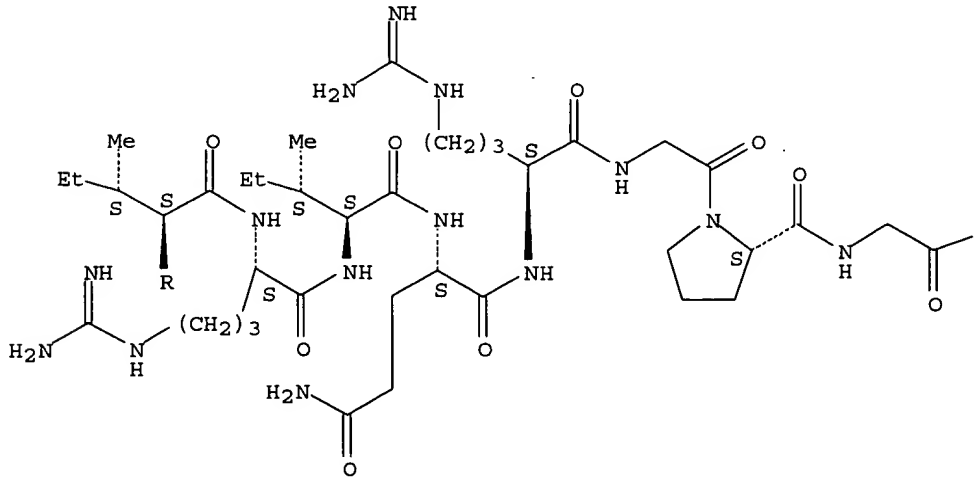
type	location		description
uncommon	Dab-1	-	-
uncommon	Aaa-18	-	-

SEQ 1 XIRIQRGPGR AFVTIGKX

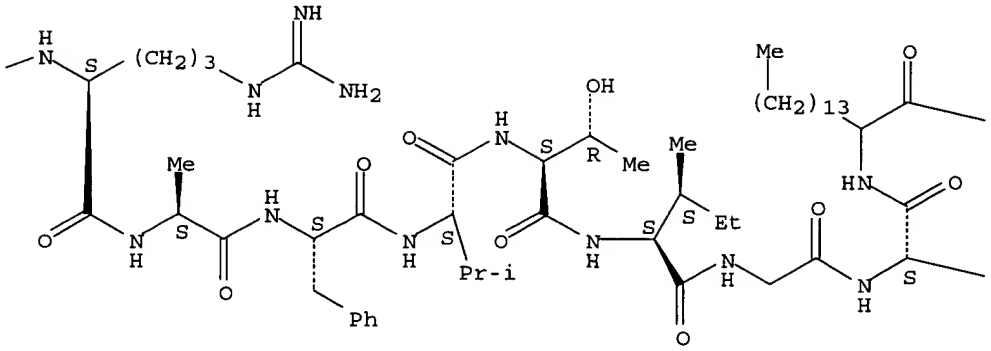
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C131 H237 N31 O22
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

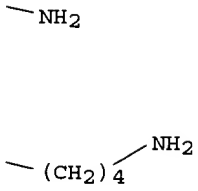
PAGE 1-A



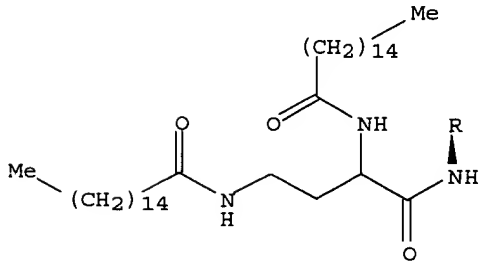
PAGE 1-B



PAGE 1-C



PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)

Search done by Noble Jarrell

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

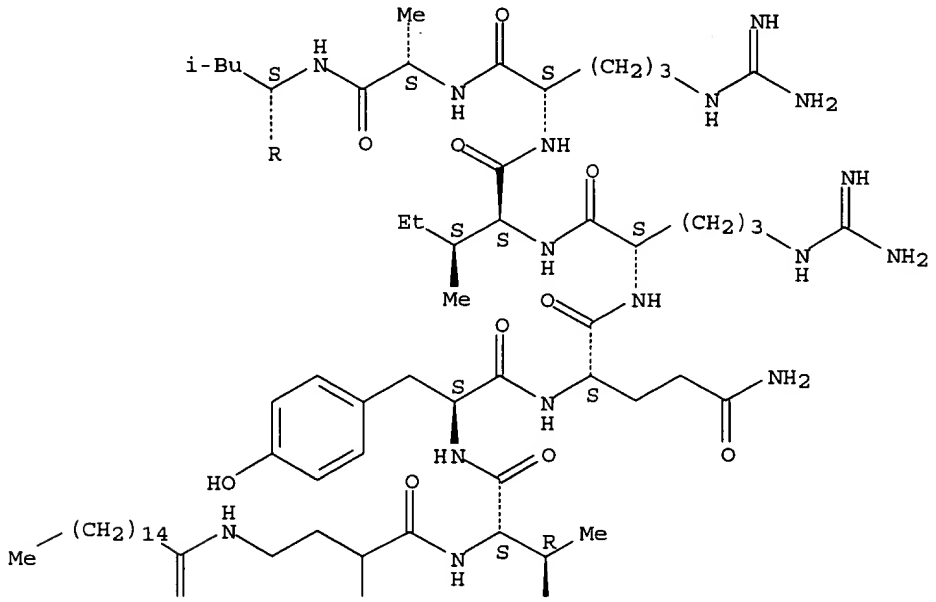
L40 ANSWER 2 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **251346-41-5** REGISTRY
CN Hexadecanamide, 2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-threonyl-L-tyrosyl-L-glutaminyl-L-arginyl-L-isoleucyl-L-arginyl-L-alanyl-L-leucyl-L-valyl-L-threonylglycyl-2-amino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 12
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Dab-1	-	-

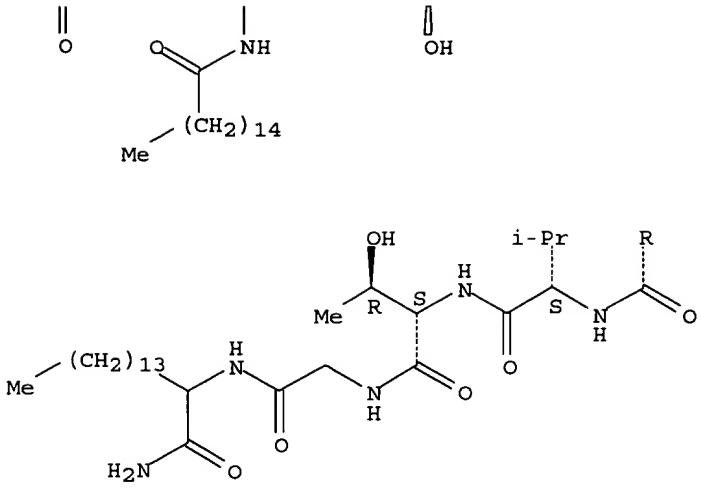
SEQ 1 XTYQRIRALV TG
MF C108 H196 N22 O19
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 3 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219996-22-2 REGISTRY
CN Vincaleukoblastin-23-oic acid, O4-deacetyl-, 7-amide with 1-acetyl-L-prolyl-L-seryl-L-seryl-2-cyclohexylglycyl-L-glutaminyl-L-seryl-N-(3-aminopropyl)-L-valinamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

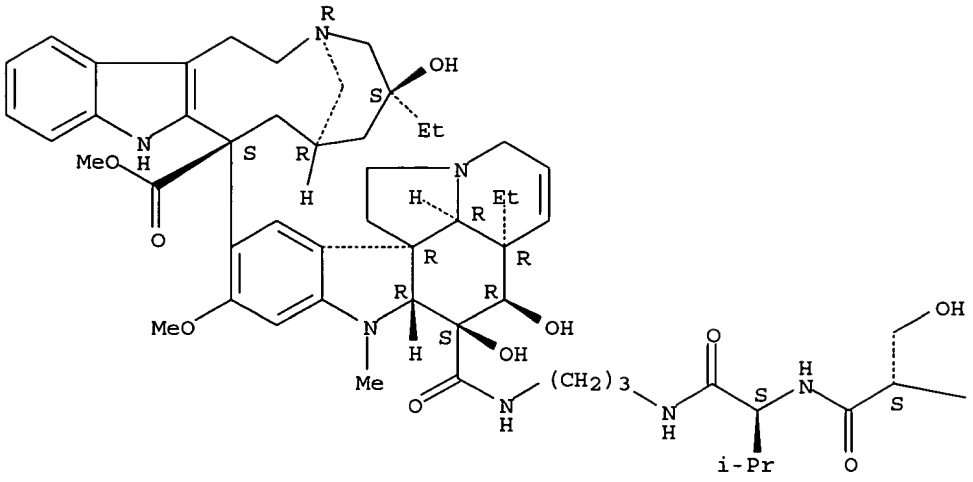
type	------ location ------	description
uncommon	Aaa-4 - -	

SEQ 1 PSSXQSV

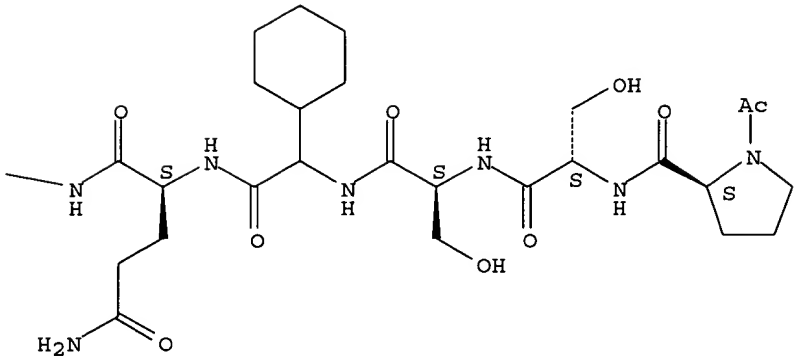
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C80 H116 N14 O19
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 4 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219996-21-1** REGISTRY
CN Vincaleukoblastin-23-oic acid, O4-deacetyl-, 7-amide with N-acetyl-L-seryl-L-seryl-L-seryl-2-cyclohexylglycyl-L-glutaminyl-L-seryl-N-(3-aminopropyl)-L-valinamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

type	------ location ------	description

Search done by Noble Jarrell

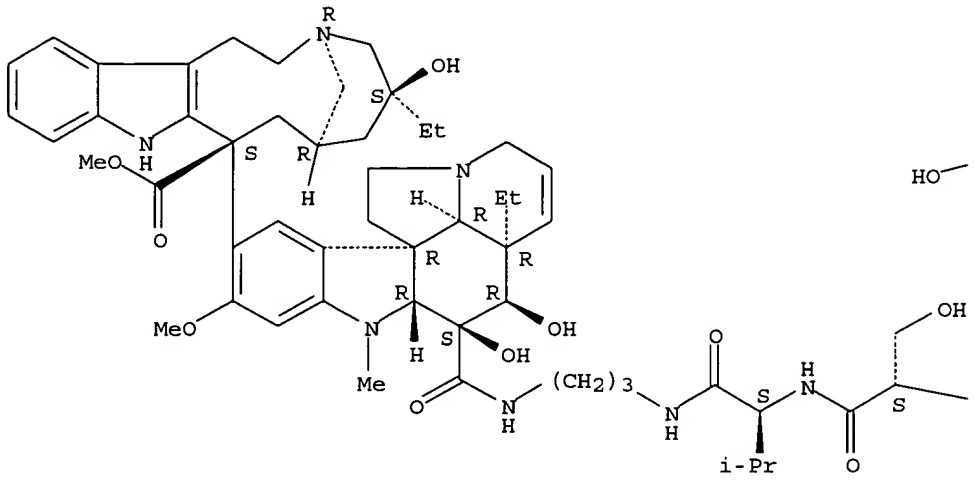
uncommon Aaa-4 - -

SEQ 1 SSSXQSV

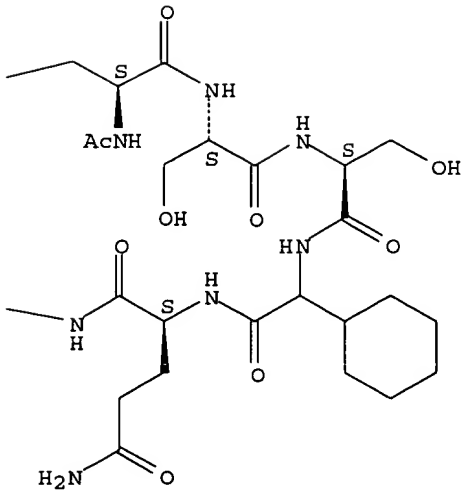
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C78 H114 N14 O20
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

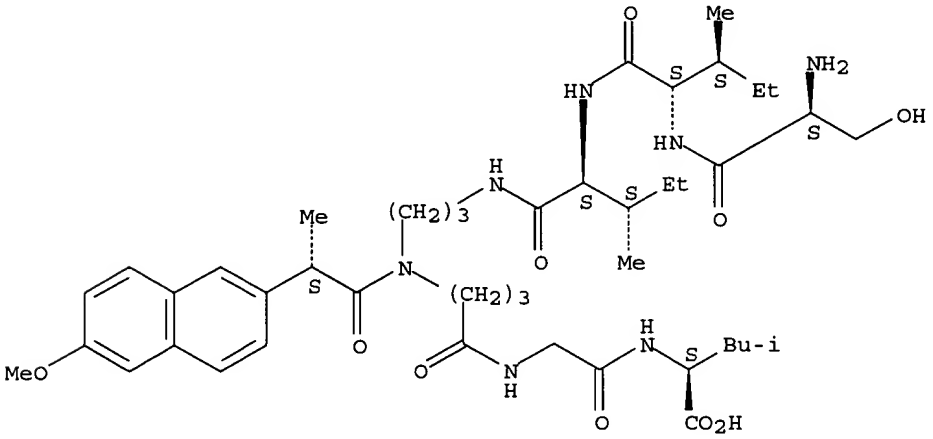
L40 ANSWER 5 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-98-0** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(2S)-2-(6-methoxy-2-naphthalenyl)-1-oxopropyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C44 H69 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

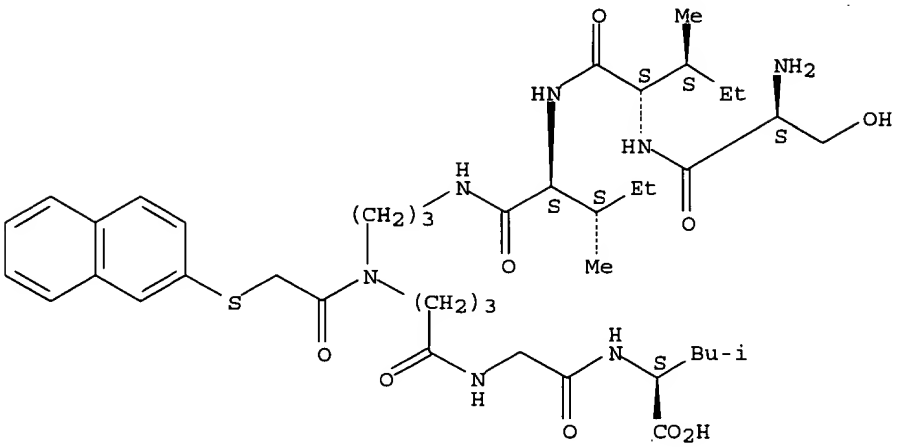
L40 ANSWER 6 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-97-9** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(2-naphthalenylthio)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C42 H65 N7 O9 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 7 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-96-8** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[[[(phenylmethoxy)carbonyl]amino]acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

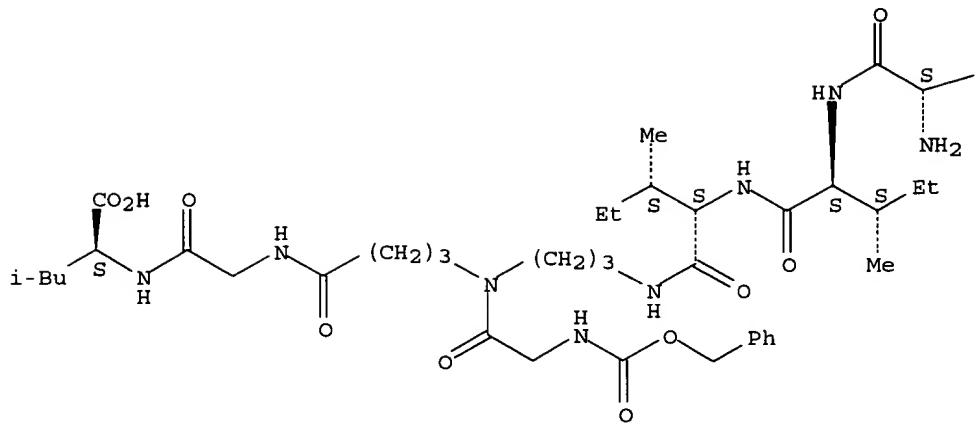
type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

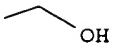
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C40 H66 N8 O11
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

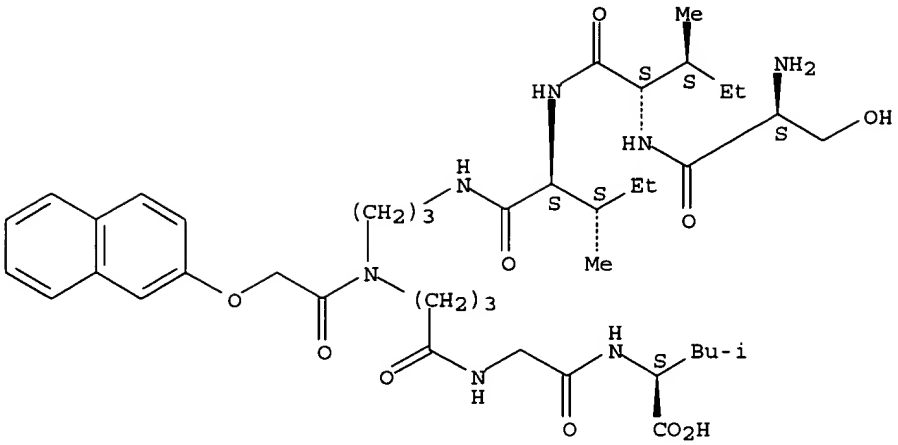
L40 ANSWER 8 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-95-7** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(2-naphthalenyloxy)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C42 H65 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

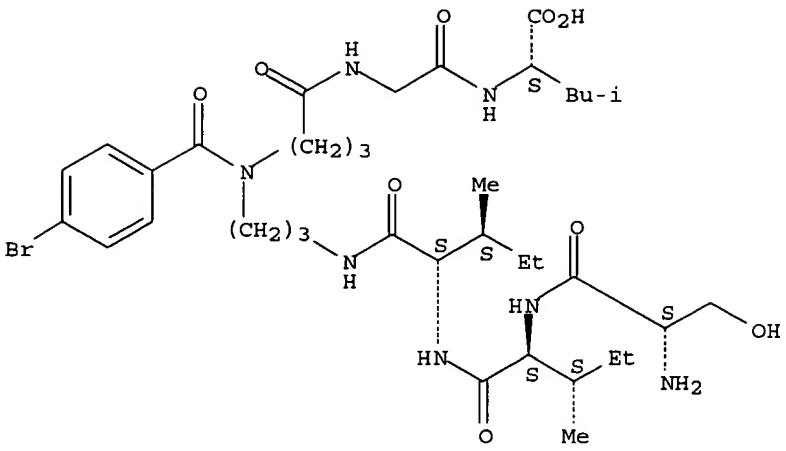
L40 ANSWER 9 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-94-6** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(4-bromobenzoyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C37 H60 Br N7 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

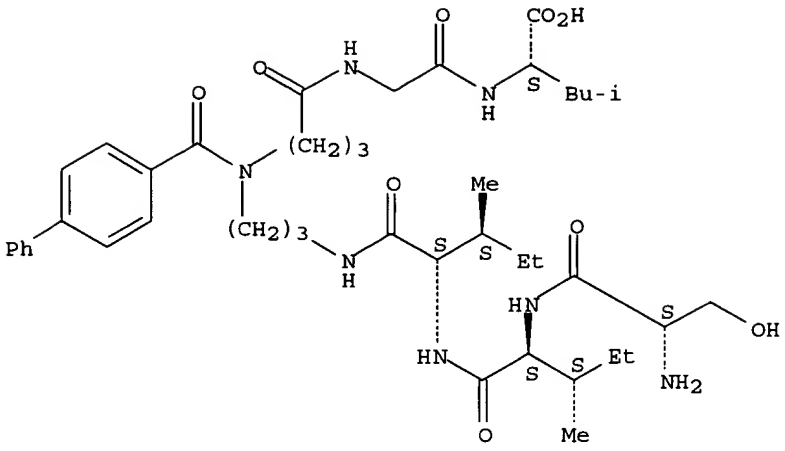
L40 ANSWER 10 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-93-5** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)([1,1'-biphenyl]-4-ylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C43 H65 N7 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

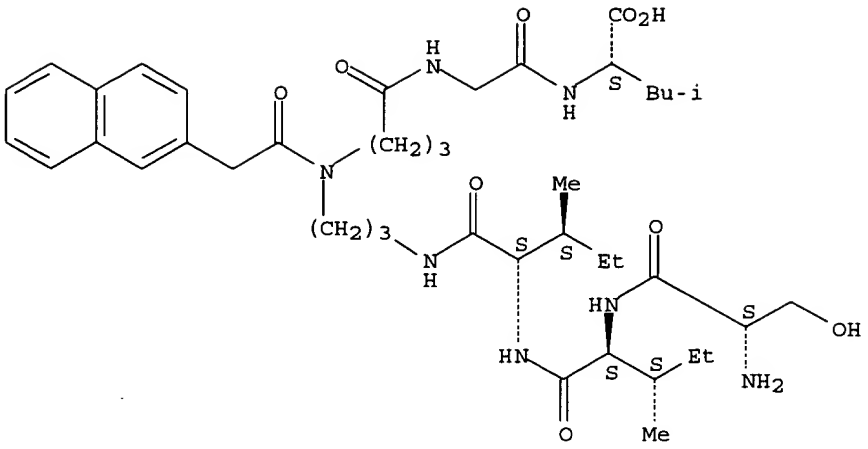
L40 ANSWER 11 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-92-4** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-naphthalenylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C42 H65 N7 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

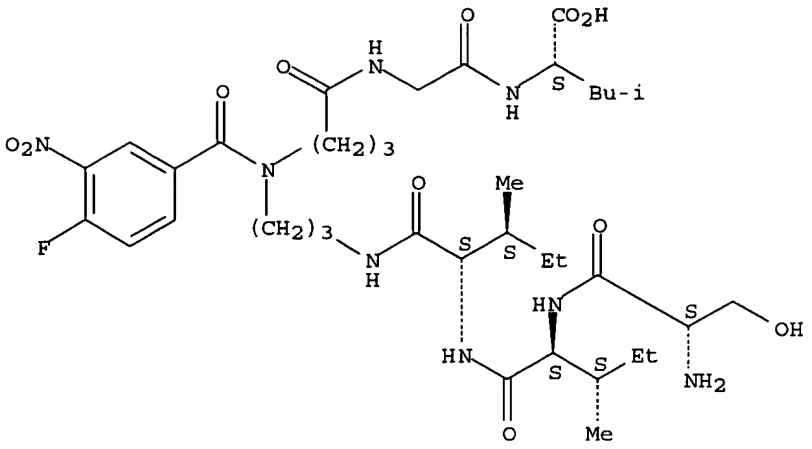
L40 ANSWER 12 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-91-3** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(4-fluoro-3-nitrobenzoyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C37 H59 F N8 O11
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

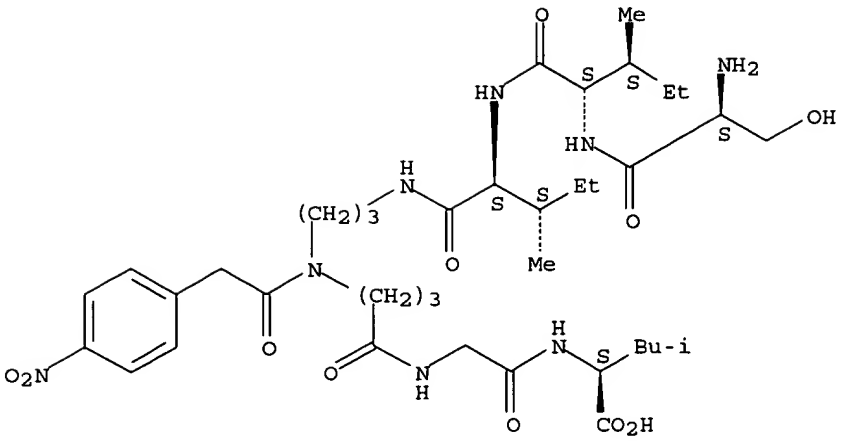
L40 ANSWER 13 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-90-2** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-nitrophenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H62 N8 O11
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

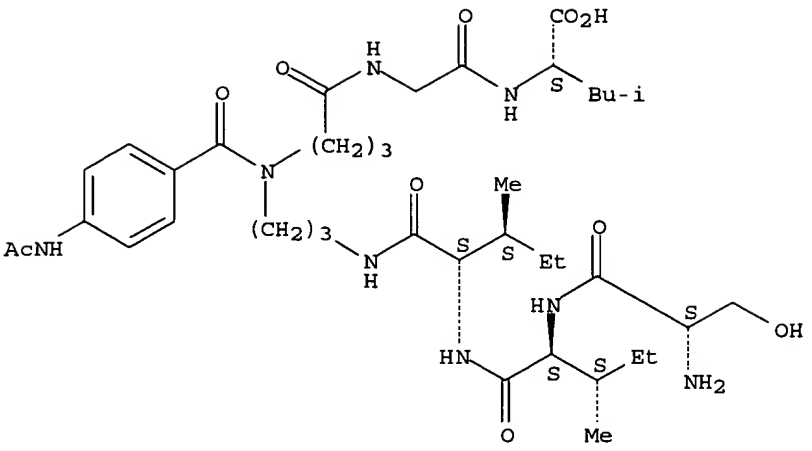
L40 ANSWER 14 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-89-9** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[[4-(acetylamino)benzoyl](3-aminopropyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C39 H64 N8 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 15 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-88-8** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(benzoylamino)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

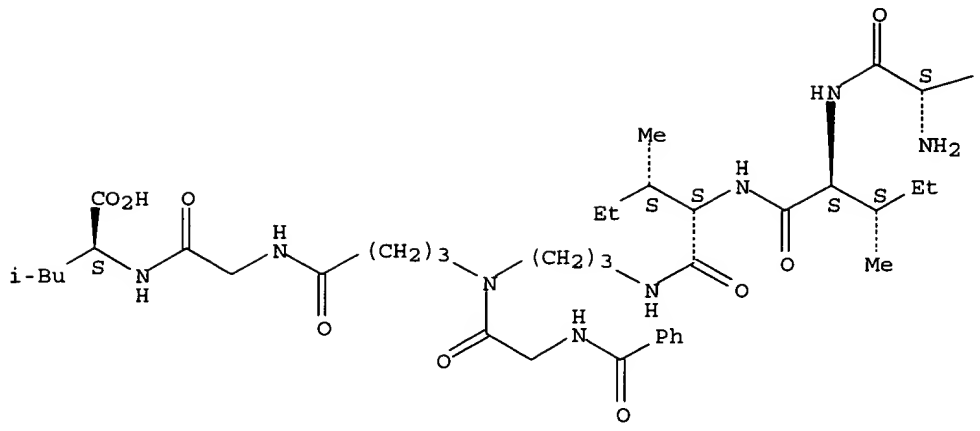
type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

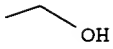
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C39 H64 N8 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

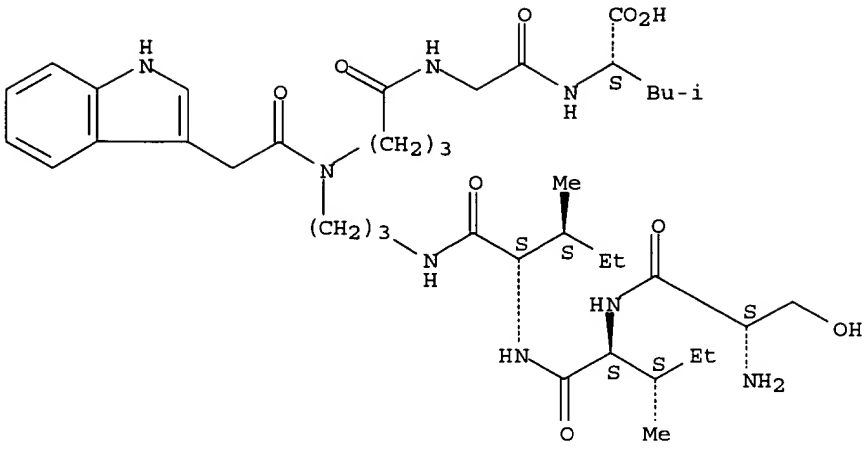
L40 ANSWER 16 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-87-7 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(1H-indol-3-ylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C40 H64 N8 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

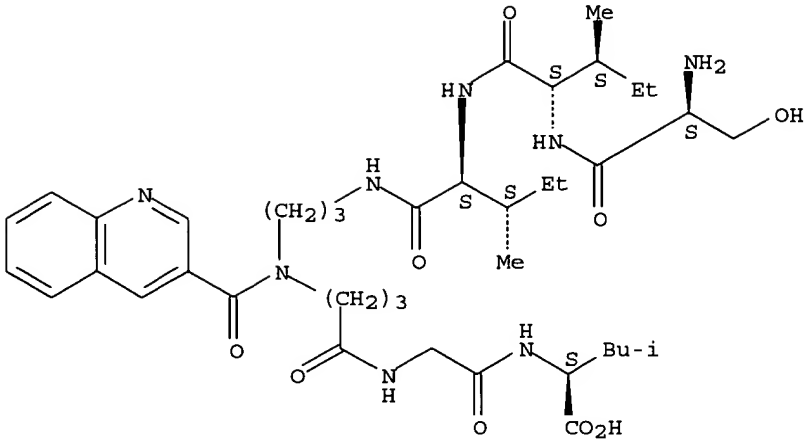
L40 ANSWER 17 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-86-6** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(3-quinolinylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C40 H62 N8 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

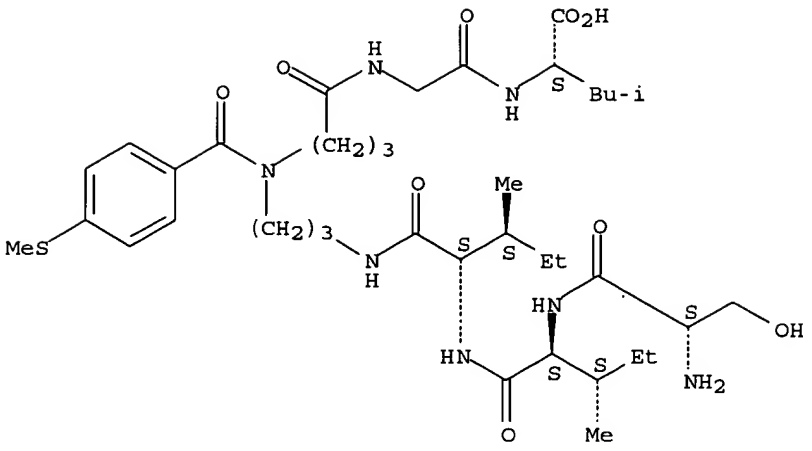
L40 ANSWER 18 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-85-5** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[4-(methylthio)benzoyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H63 N7 O9 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

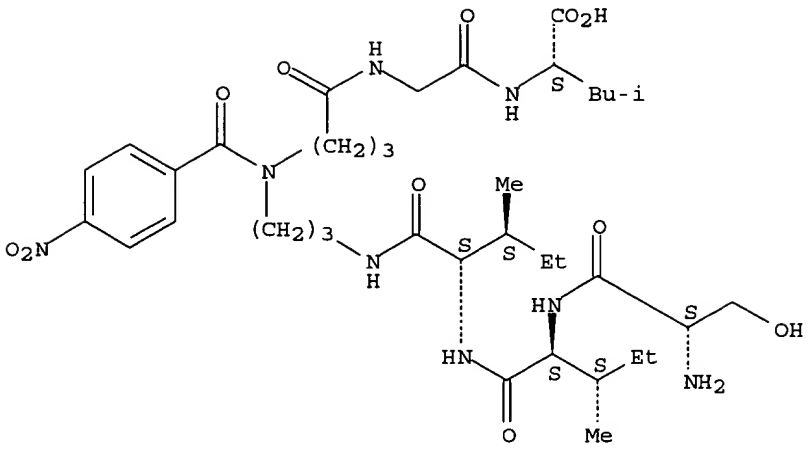
L40 ANSWER 19 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-84-4** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(4-nitrobenzoyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C37 H60 N8 O11
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

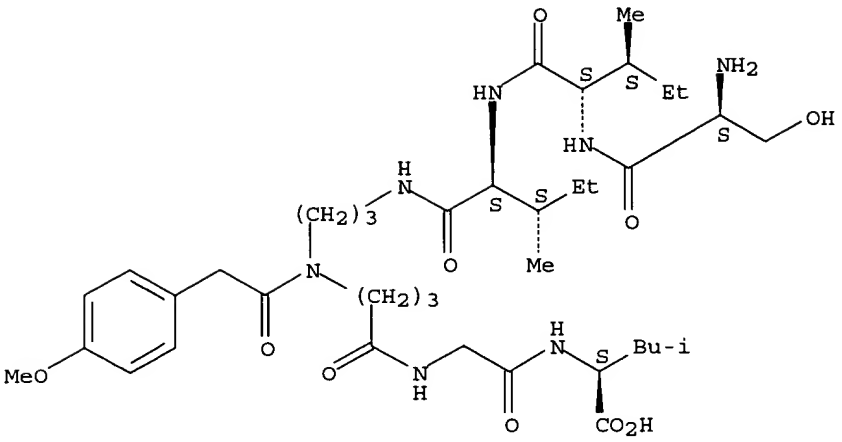
L40 ANSWER 20 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-83-3** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-methoxyphenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C39 H65 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

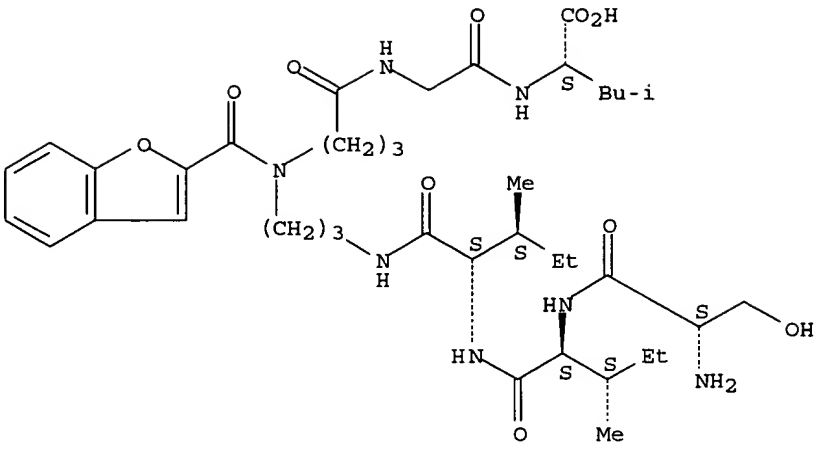
L40 ANSWER 21 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-82-2** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-benzofuranylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C39 H61 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

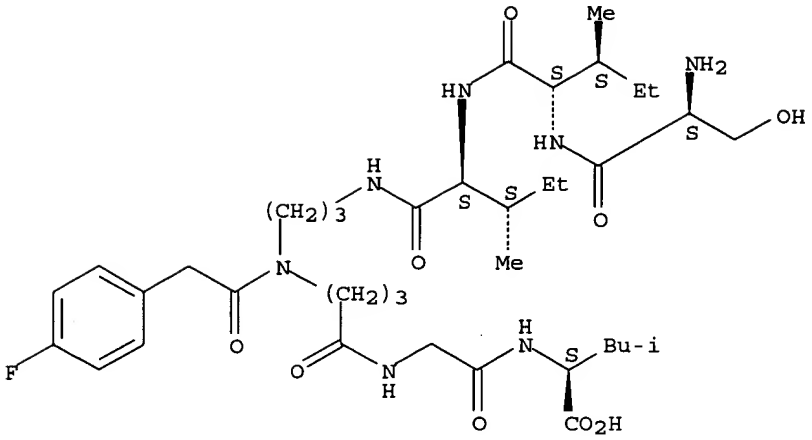
L40 ANSWER 22 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-81-1** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-fluorophenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H62 F N7 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

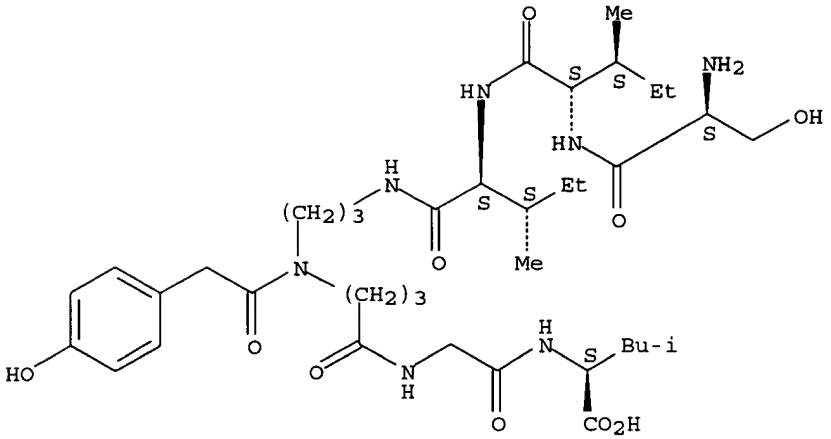
L40 ANSWER 23 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-80-0** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-hydroxyphenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H63 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 24 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-79-7** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(phenoxyacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

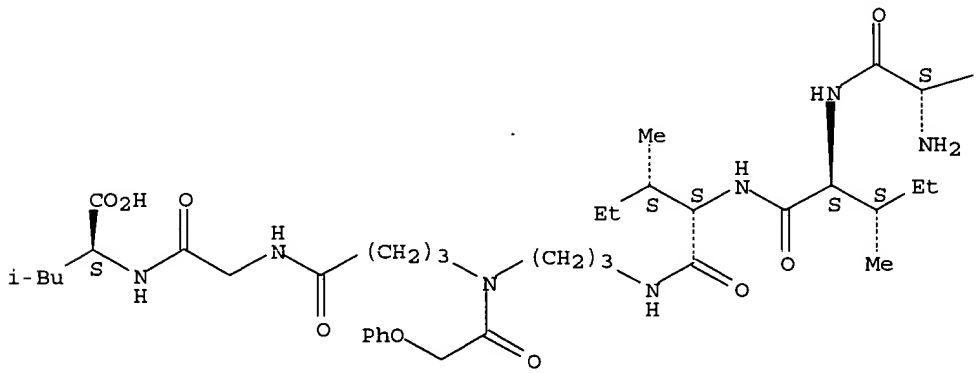
type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

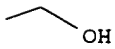
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H63 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

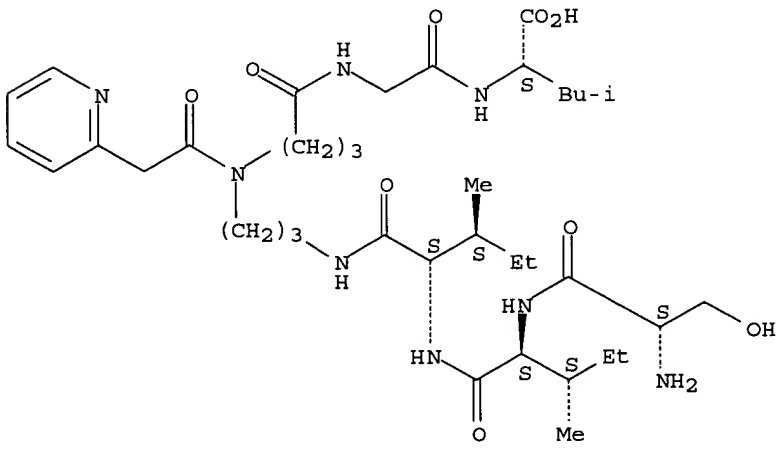
L40 ANSWER 25 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-78-6** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-pyridinylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C37 H62 N8 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 26 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-77-5** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-thienylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH

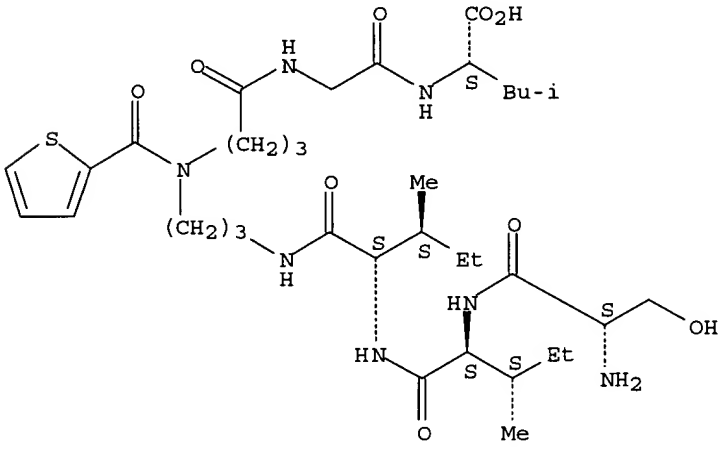
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C35 H59 N7 O9 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 27 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-76-4** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(pyrazinylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

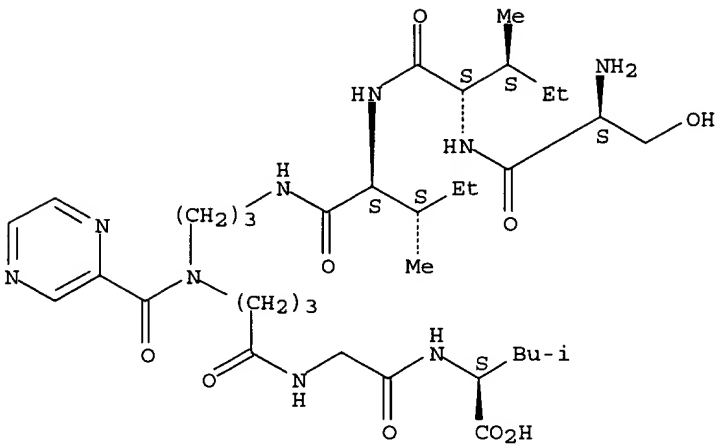
type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C35 H59 N9 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

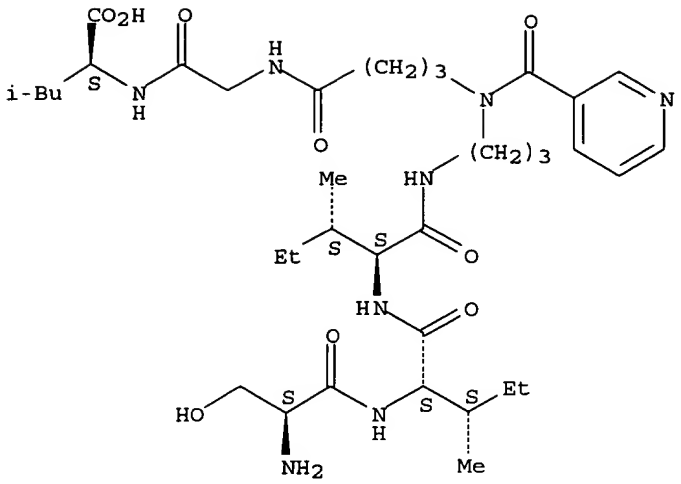
L40 ANSWER 28 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-75-3** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(3-pyridinylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C36 H60 N8 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

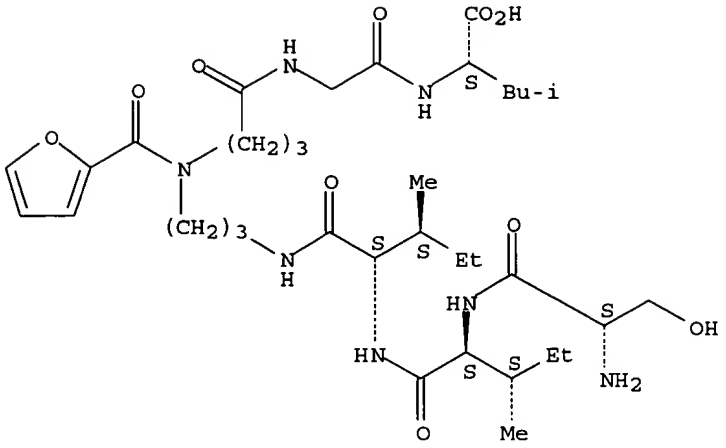
L40 ANSWER 29 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-74-2** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-furanylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C35 H59 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 30 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-69-5 REGISTRY
CN L-Leucine, N-(phenylacetyl)-N-[3-[(L-seryl-L-isoleucyl-L-isoleucyl)amino]propyl]glycyl-4-aminobutanoyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

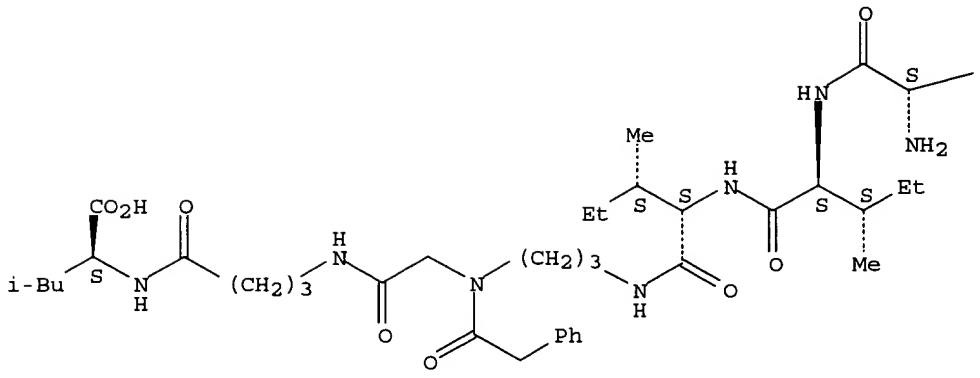
type	------ location ------		description
uncommon	Bal-4	-	-
uncommon	Oaa-6	-	-
modification	Bal-4	-	undetermined modification
modification	Gly-5	-	undetermined modification

SEQ 1 SIIXGXL

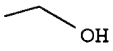
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H63 N7 O9
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

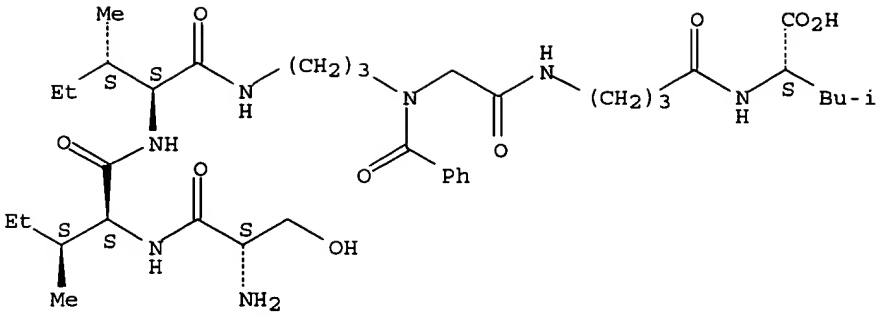
L40 ANSWER 31 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-68-4** REGISTRY
CN L-Leucine, N-benzoyl-N-[3-[(L-seryl-L-isoleucyl-L-isoleucyl)amino]propyl]glycyl-4-aminobutanoyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

type	location		description
uncommon	Bal-4	-	-
uncommon	Oaa-6	-	-
modification	Bal-4	-	undetermined modification
modification	Gly-5	-	benzoyl<Bz>

SEQ 1 SIIXGXL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C37 H61 N7 O9
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 32 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-67-3** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(phenylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

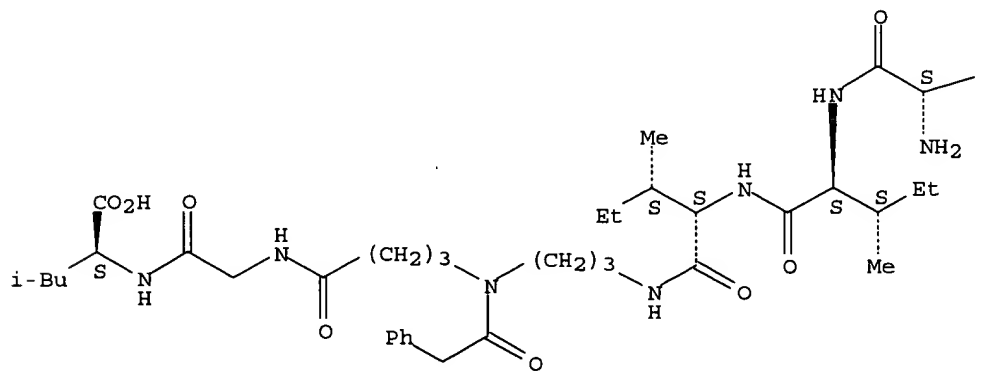
type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

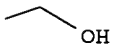
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C38 H63 N7 O9
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

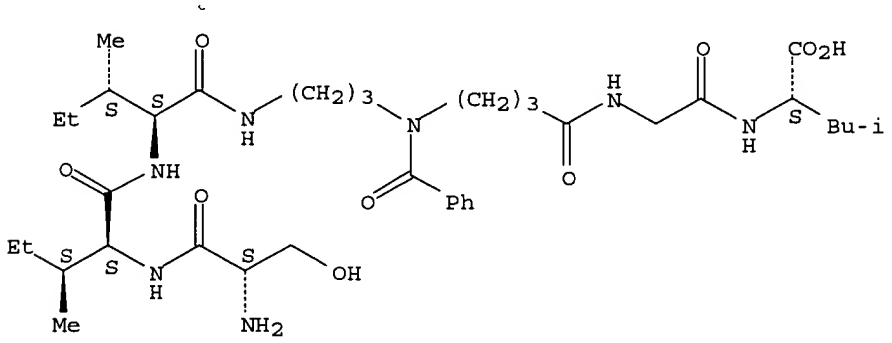
L40 ANSWER 33 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-66-2** REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)benzoylamino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	------ location ------		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C37 H61 N7 O9
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 34 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-65-1** REGISTRY
CN L-Isoleucinamide, L-seryl-L-isoleucyl-N-[3-[benzoyl[2-[[5-[(carboxymethyl)(2-methyl-1-oxopropyl)amino]pentyl]amino]-2-oxoethyl]amino]propyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified

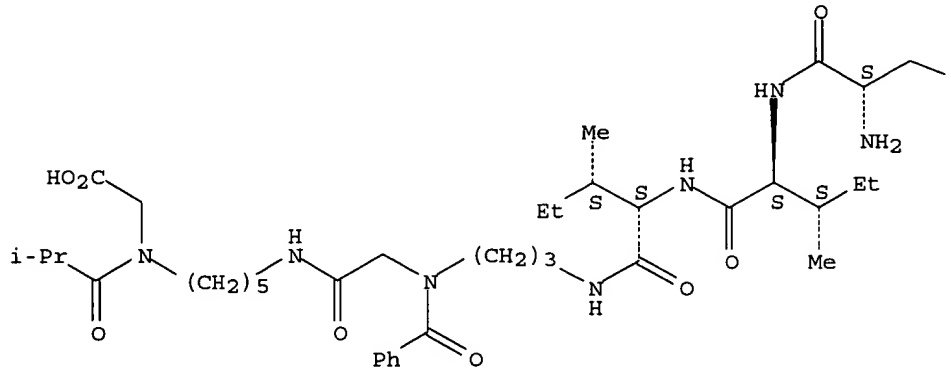
type	------ location ------	description

uncommon	Bal-4	-	-
uncommon	Oaa-6	-	-
modification	Bal-4	-	undetermined modification
modification	Gly-5	-	benzoyl<Bz>
modification	Oaa-6	-	undetermined modification
modification	Gly-7	-	2-methyl-1-oxopropyl<i-BuO>

SEQ 1 SIIXGXG
MF C38 H63 N7 O9
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

OH

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 35 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-64-0** REGISTRY
CN L-Isoleucinamide, L-seryl-L-isoleucyl-N-[3-[benzoyl[4-[[3-[(carboxymethyl)(3-methyl-1-oxobutyl)amino]propyl]amino]-4-oxobutyl]amino]propyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

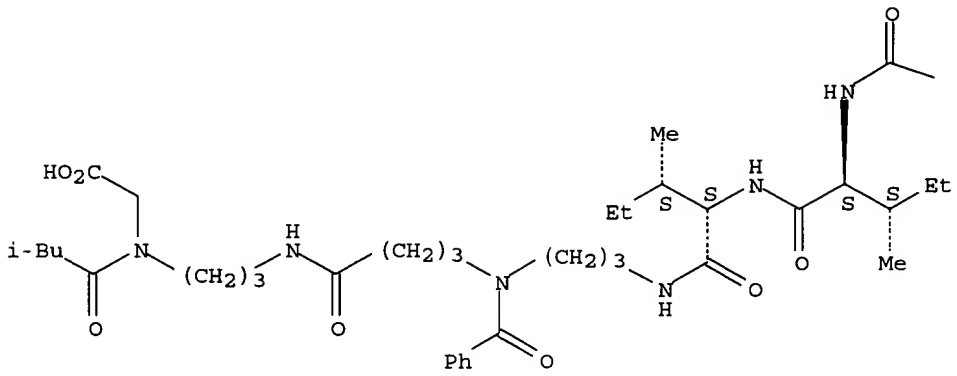
type	location		description
uncommon	Und-4	-	-
uncommon	Oaa-5	-	-
uncommon	Und-6	-	-

SEQ 1 SIIXXXG
MF C39 H65 N7 O9

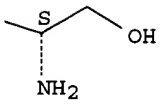
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

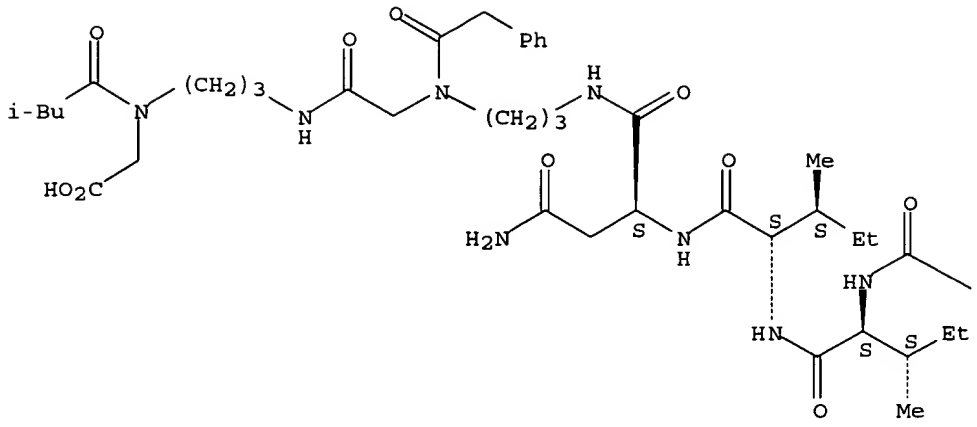
L40 ANSWER 36 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **219297-62-8** REGISTRY
CN L-Aspartamide, L-seryl-L-isoleucyl-L-isoleucyl-N1-[3-[[2-[[3-[(carboxymethyl)(3-methyl-1-oxobutyl)amino]propyl]amino]-2-oxoethyl](phenylacetyl)amino]propyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 8
NTE modified

type	location		description
uncommon	Bal-5	-	-
uncommon	Bal-7	-	-
modification	Bal-5	-	undetermined modification
modification	Gly-6	-	undetermined modification
modification	Bal-7	-	undetermined modification
modification	Gly-8	-	3-methyl-1-oxobutyl

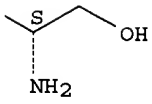
SEQ 1 SIINXGXG
MF C42 H69 N9 O11
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 37 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **208243-40-7** REGISTRY
CN L-Phenylalanine, N-[1-[3-[[[3-[[[2-[7-[1,3-dihydro-3,3-dimethyl-1-(4-sulfobutyl)-2H-indol-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(4-sulfobutyl)-3H-indolium-5-yl]carbonyl]amino]propyl]amino]carbonyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]-L-cysteinyl-L-valyl-L-histidyl-L-histidyl-L-glutaminyl-L-lysyl-L-leucyl-L-valyl-L-phenylalanyl-, inner salt, monosodium salt (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified (modifications unspecified)

type	location	description
modification	-	undetermined modification
modification	Cys-1 -	undetermined modification

SEQ 1 CVHHQKLVFF

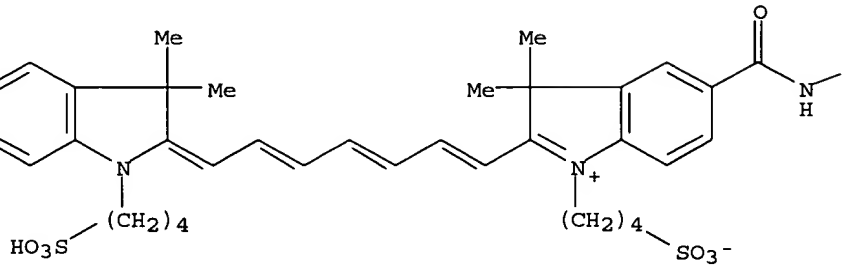
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Search done by Noble Jarrell

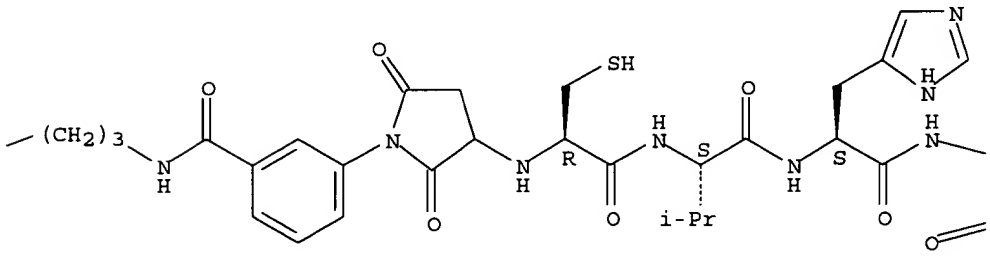
MF C110 H145 N21 O22 S3 . Na
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
CRN (791765-42-9)

Absolute stereochemistry.
Double bond geometry unknown.

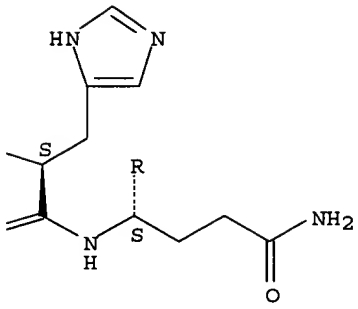
PAGE 1-A



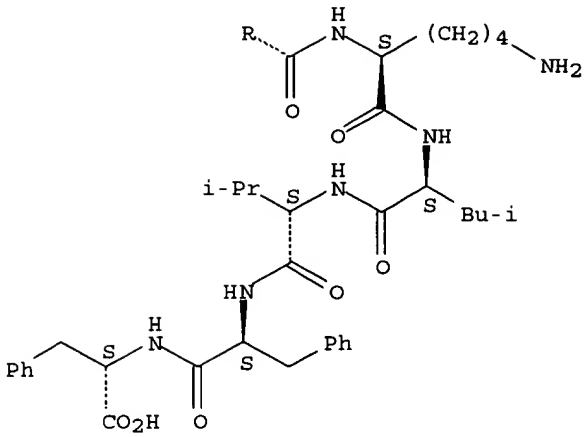
PAGE 1-B



PAGE 1-C



PAGE 2-A



● Na

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 38 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **207396-19-8** REGISTRY
CN Vincaleukoblastin-23-oic acid, O4-deacetyl-, amide with hydroxyacetyl-(4R)-4-hydroxy-L-prolyl-L-alanyl-L-seryl-(2S)-2-cyclohexylglycyl-L-glutaminyl-L-seryl-N-(3-aminopropyl)-L-leucinamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

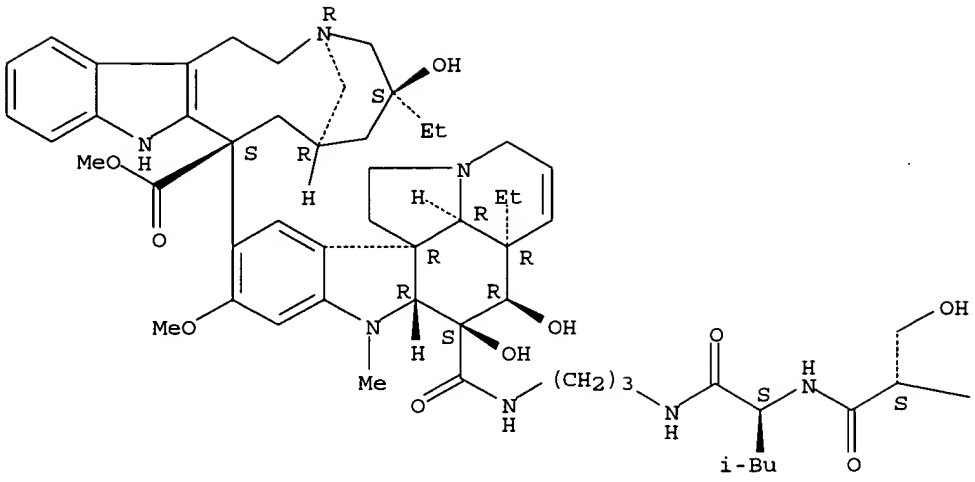
type	------ location ------		description
uncommon	Hyp-1	-	-
uncommon	Aaa-4	-	-

SEQ 1 XASXQSL

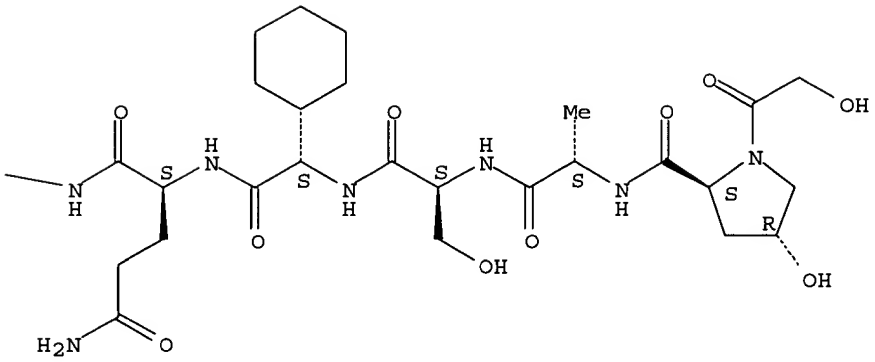
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C81 H118 N14 O20
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 39 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **205185-93-9** REGISTRY
CN Vincaleukoblastin-23-oic acid, O4-deacetyl-, 8-amide with hydroxyacetyl-L-seryl-L-seryl-L-seryl-(2S)-2-cyclohexylglycyl-L-glutaminyl-L-seryl-N-(3-aminopropyl)-L-leucinamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

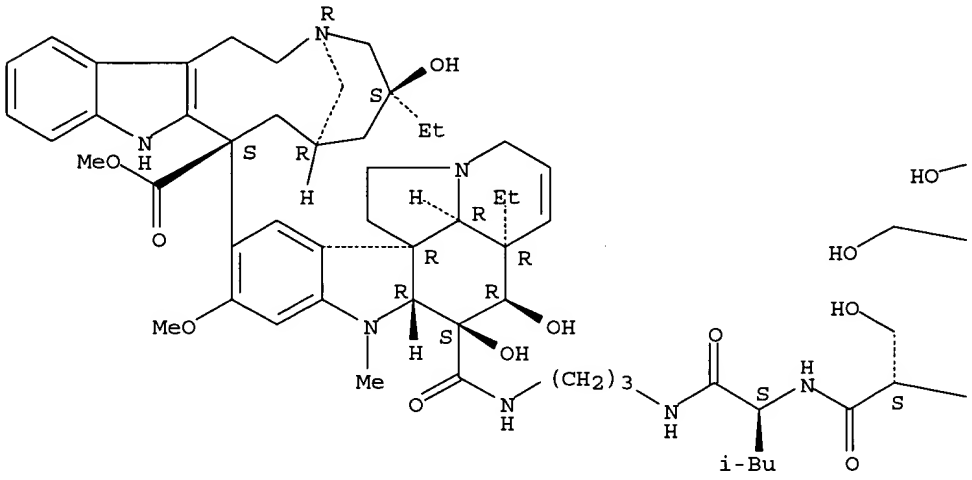
SEQ 1 SSSAQSL

Search done by Noble Jarrell

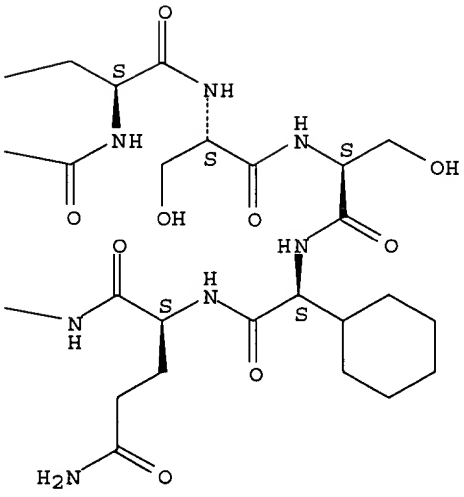
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C79 H116 N14 O21
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

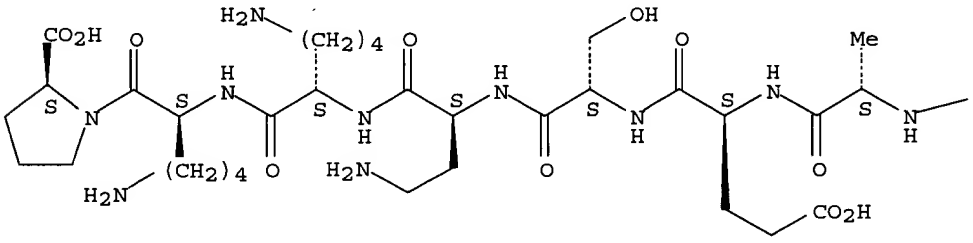
L40 ANSWER 40 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **199437-59-7** REGISTRY
CN L-Proline, L-prolyl-L-valyl-L-valyl-L-alanyl-L-α-glutamyl-L-seryl-(2S)-2,4-diaminobutanoyl-L-lysyl-L-lysyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE

type	location		description
uncommon	Dab-7	-	-

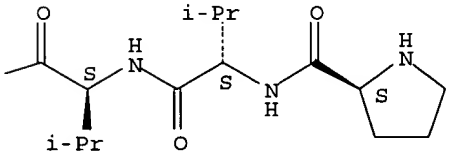
SEQ 1 PVVAESXKKP
MF C47 H83 N13 O14
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

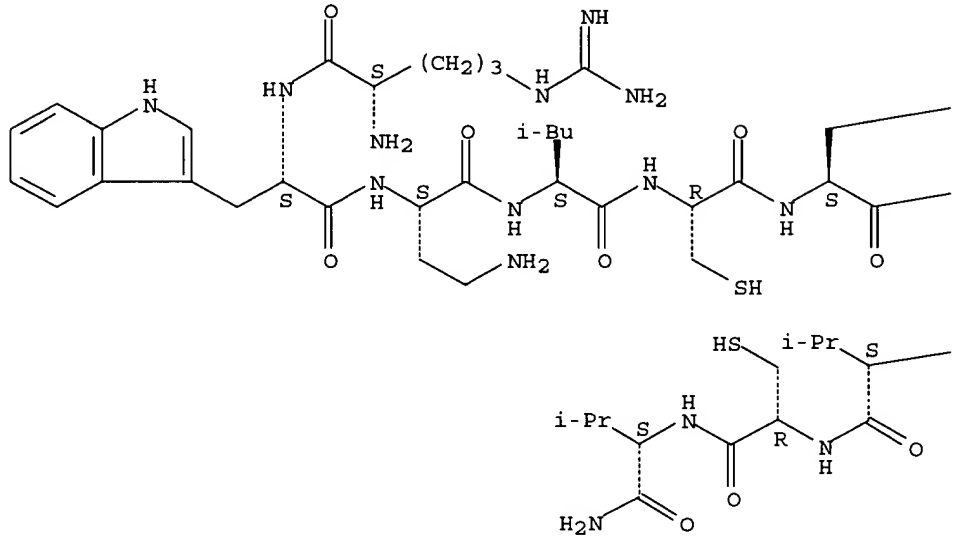
L40 ANSWER 41 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **191739-12-5** REGISTRY
CN L-Valinamide, L-arginyl-L-tryptophyl-(2S)-2,4-diaminobutanoyl-L-leucyl-L-cysteinyl-L-tyrosyl-L-cysteinyl-L-arginyl-L-prolyl-L-lysyl-L-phenylalanyl-L-cysteinyl-L-valyl-L-cysteinyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 15
NTE modified

type	location		description
terminal mod.	Val-15	-	C-terminal amide
uncommon	Dab-3	-	-

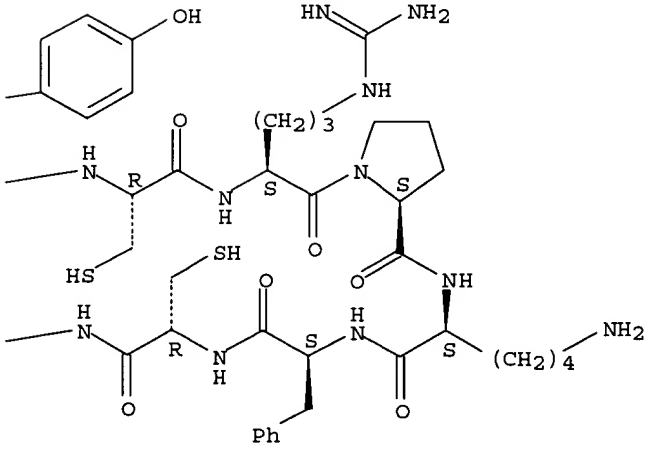
SEQ 1 RWXLCYCRPK FCVCV
MF C84 H131 N25 O16 S4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 42 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **189512-98-9** REGISTRY
CN Vincaleukoblastin-23-oic acid, O4-deacetyl-, 7-amide with N2-acetyl-L-lysyl-L-tyrosyl-L-glutaminyl-L-seryl-L-seryl-L-seryl-N-(3-

aminopropyl)-L-norleucinamide, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

type	location		description
uncommon	Nle-7	-	-

SEQ 1 KYQSSSX

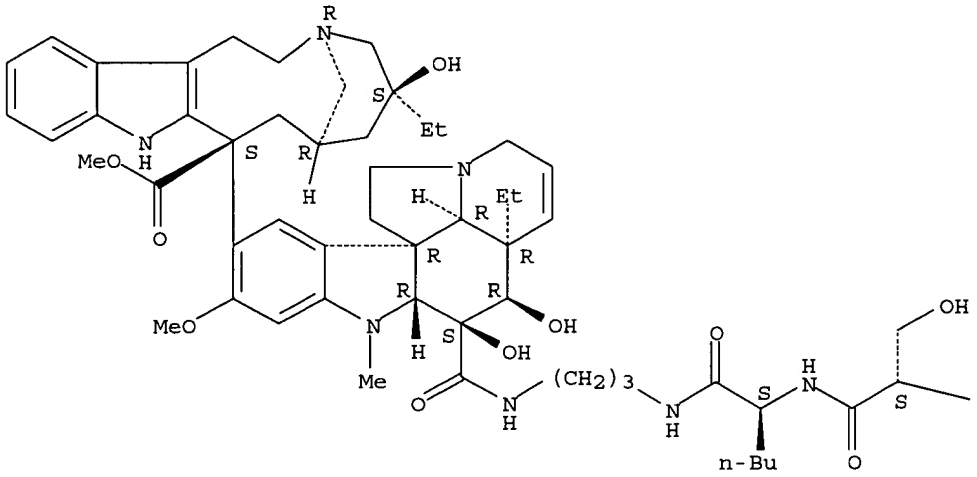
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C83 H119 N15 O20 . C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

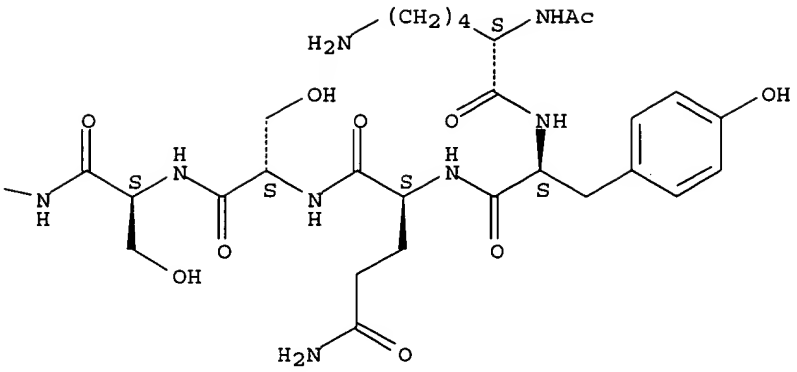
CRN 189510-13-2
CMF C83 H119 N15 O20

Absolute stereochemistry.

PAGE 1-A

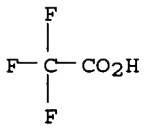


PAGE 1-B



CM 2

CRN 76-05-1
CMF C2 H F3 O2



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 43 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **189510-13-2** REGISTRY
CN Vincaleukoblastin-23-oic acid, O4-deacetyl-, 7-amide with N2-acetyl-L-lysyl-L-tyrosyl-L-glutaminyl-L-seryl-L-seryl-L-seryl-N-(3-aminopropyl)-L-norleucinamide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 17: PN: US20020042375 PAGE: 111-119 claimed protein
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Nle-7	-	-

PATENT ANNOTATIONS (PNTE):

Sequence Source	Patent Reference
Not Given	US2002042375 claimed PAGE

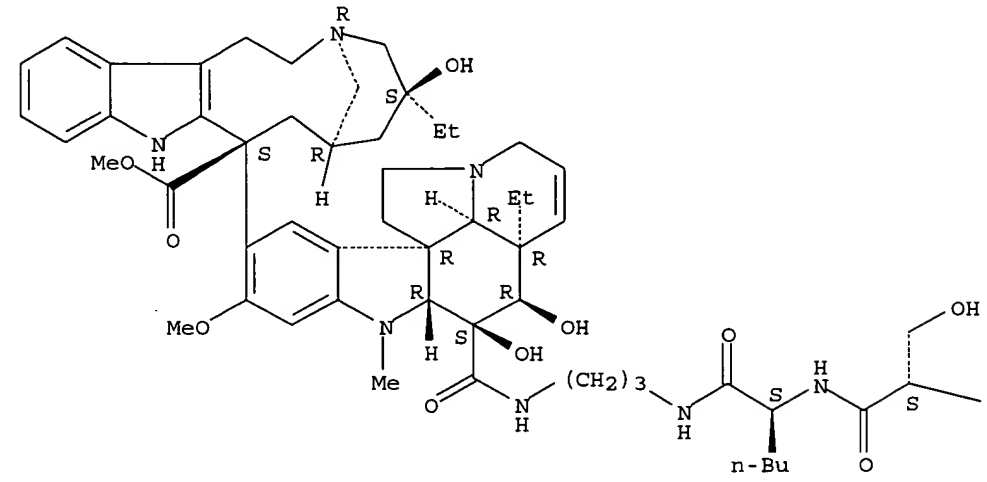
|111-119

SEQ 1 KYQSSSX

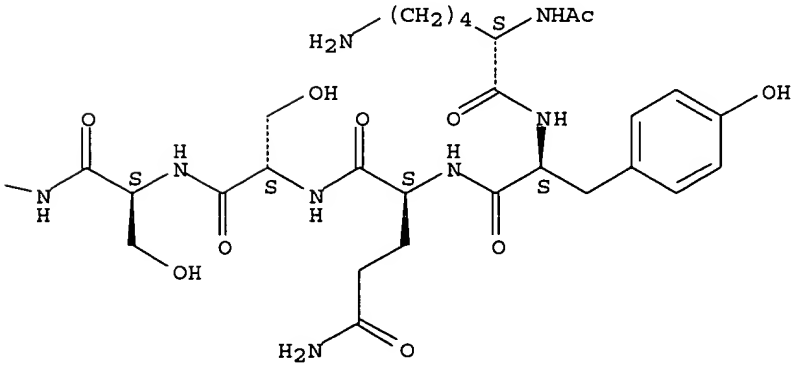
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C83 H119 N15 O20
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



Search done by Noble Jarrell

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 44 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **186451-56-9** REGISTRY
CN L-Cysteine, L-lysyl-L-phenylalanyl-L-threonyl-L-isoleucyl-L-valyl-L-phenylalanyl-S-[1-[4-[4-[[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

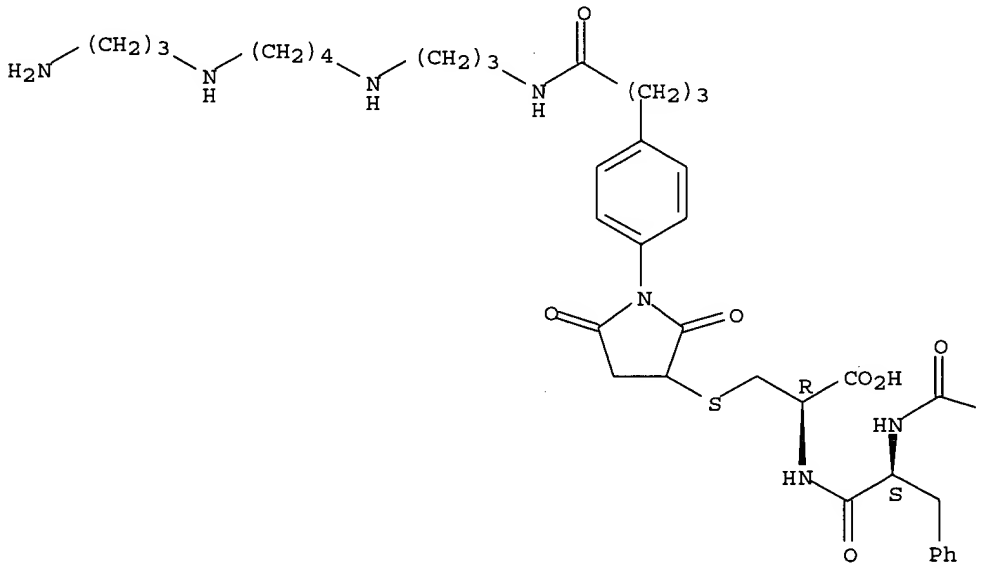
type	------ location ------		description
modification	Cys-7	-	undetermined modification

SEQ 1 KFTIVFC

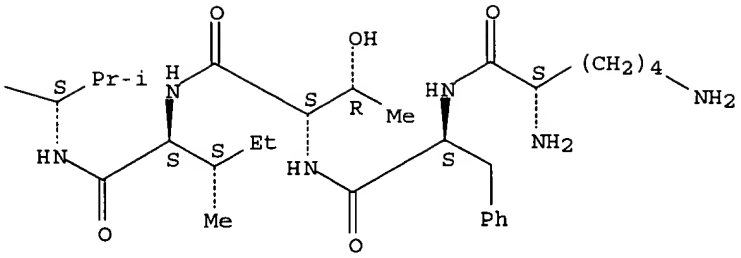
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C66 H101 N13 O12 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 45 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **186451-54-7** REGISTRY
CN Glycine, S-[1-[4-[4-[[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]-L-cysteinylglycyl-L-tyrosylglycyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 13
NTE modified (modifications unspecified)

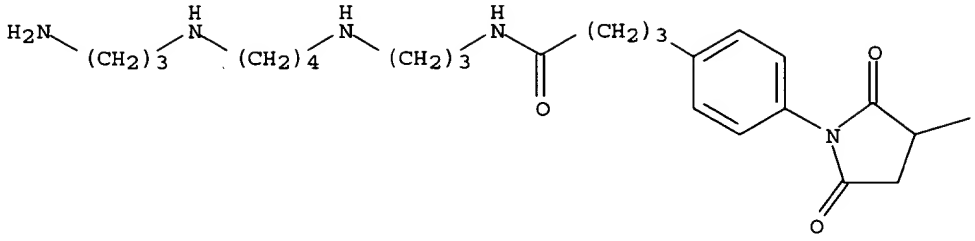
type	------ location ------	description
modification	Cys-1 -	undetermined modification

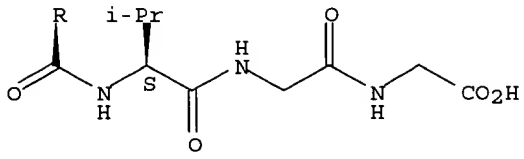
SEQ 1 CGYGPKKKRK VGG

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C84 H141 N25 O18 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

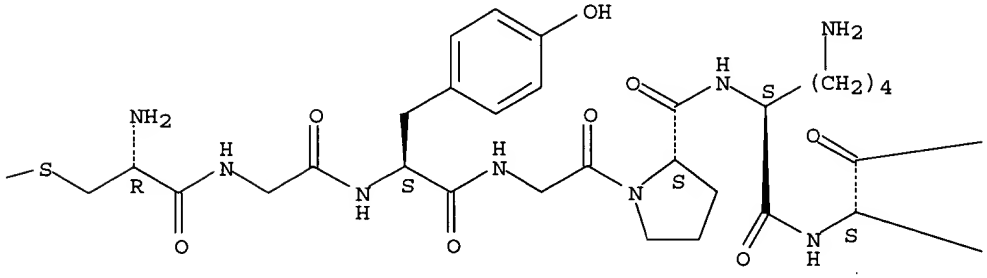
Absolute stereochemistry.

PAGE 1-A

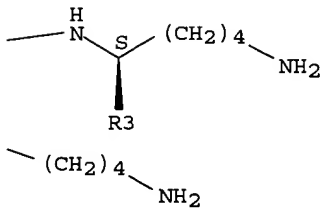




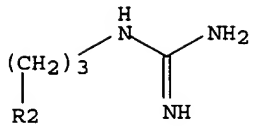
PAGE 1-B

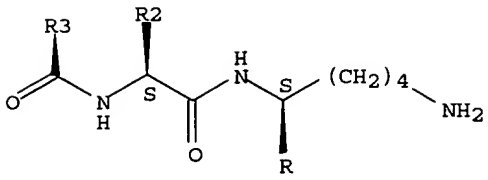


PAGE 1-C



PAGE 2-A





2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

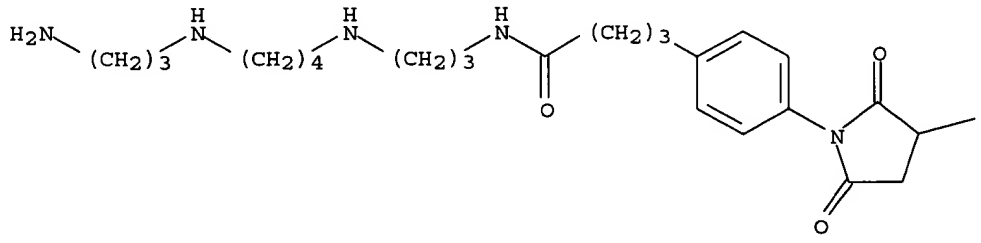
L40 ANSWER 46 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 186451-51-4 REGISTRY
CN L-Cysteine, L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valylglycylglycyl-S-[1-[4-[4-[[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified

type	------ location ------	description
modification	Cys-10 -	undetermined modification

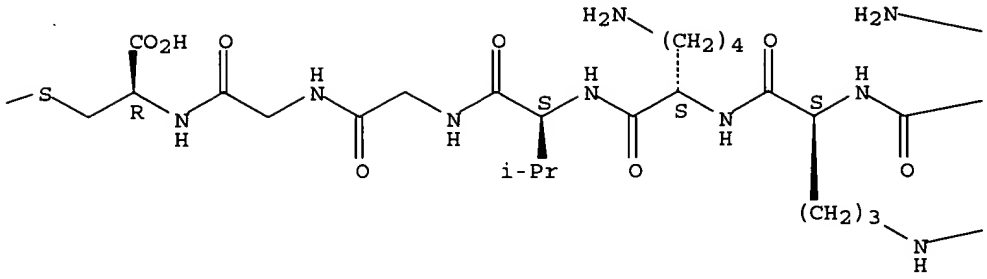
SEQ 1 PKKKRKVGGC
MF C71 H126 N22 O14 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

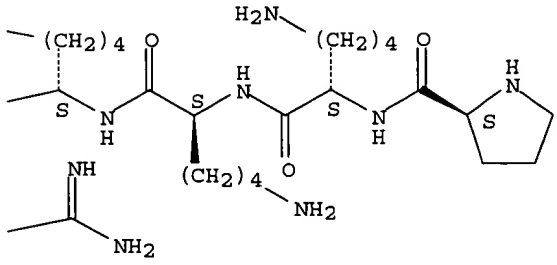
PAGE 1-A



PAGE 1-B



PAGE 1-C



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

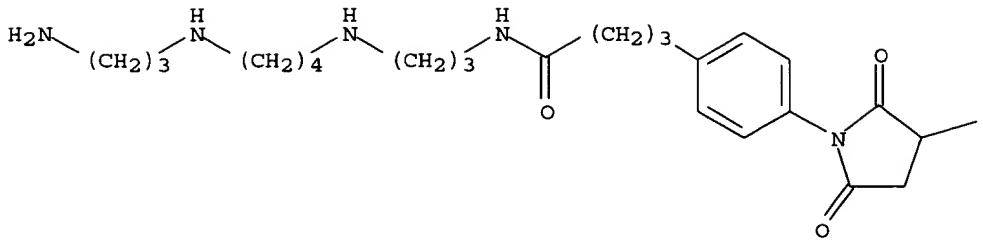
L40 ANSWER 47 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **186451-48-9** REGISTRY
CN L-Cysteine, glycyl-L-tyrosylglycyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valylglycylglycyl-S-[1-[4-[4-[[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 13
NTE modified

type	location	description
modification	Cys-13	undetermined modification

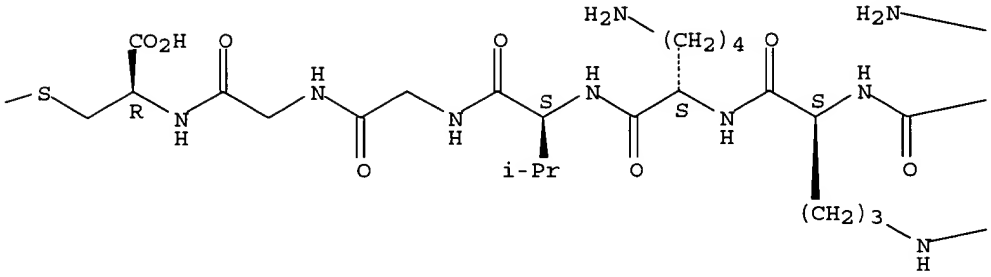
SEQ 1 GYGPKKKRKV GGC
MF C84 H141 N25 O18 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

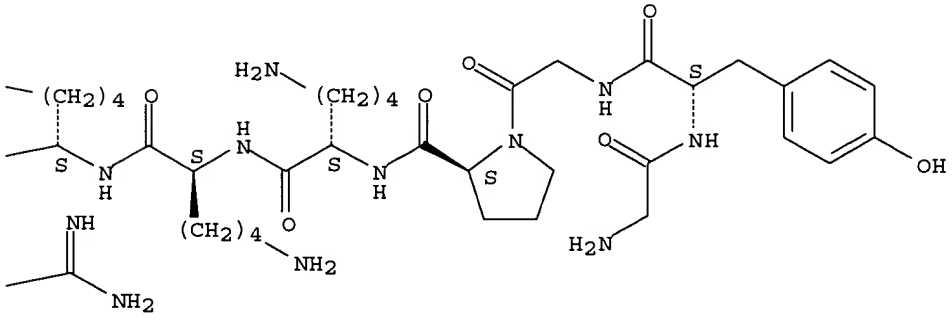
PAGE 1-A



PAGE 1-B



PAGE 1-C



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 48 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **155704-90-8** REGISTRY
CN Polymyxin B1, methanesulfonate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified (modifications unspecified)

---

type	------ location ------		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Phe-6	-	D

SEQ 1 XTXXXFLXXT

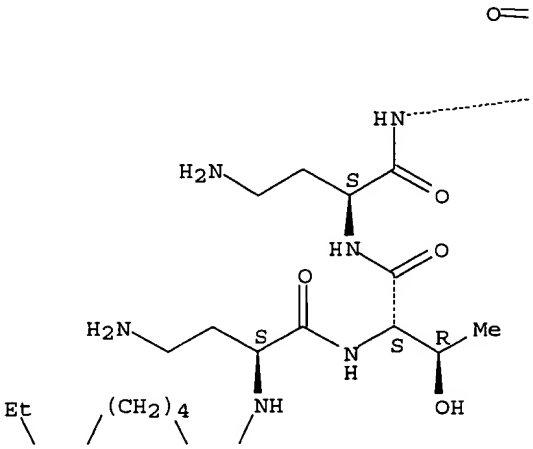
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C56 H98 N16 O13 . x C H4 O3 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study)

CM 1

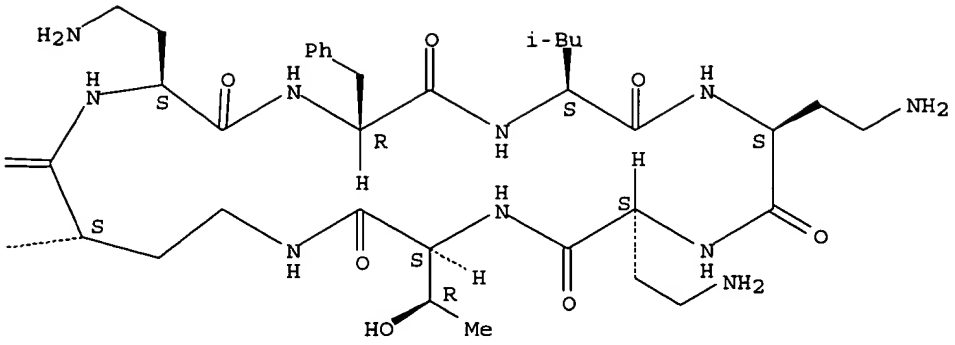
CRN 4135-11-9
CMF C56 H98 N16 O13

Absolute stereochemistry.

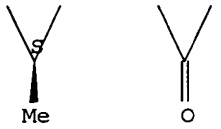
PAGE 1-A



PAGE 1-B

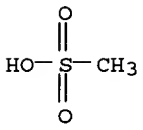


PAGE 2-A



CM 2

CRN 75-75-2
CMF C H4 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 49 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154508-74-4** REGISTRY
CN L-Proline, N-[11,34-bis[[(3-aminopropyl)amino]methyl]-1,8,19,26,37-pentaoxo-40-(2-pyridinyldithio)-10,35-dioxa-22,23-dithia-7,14,18,27,31,38-hexaazatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

type	location		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

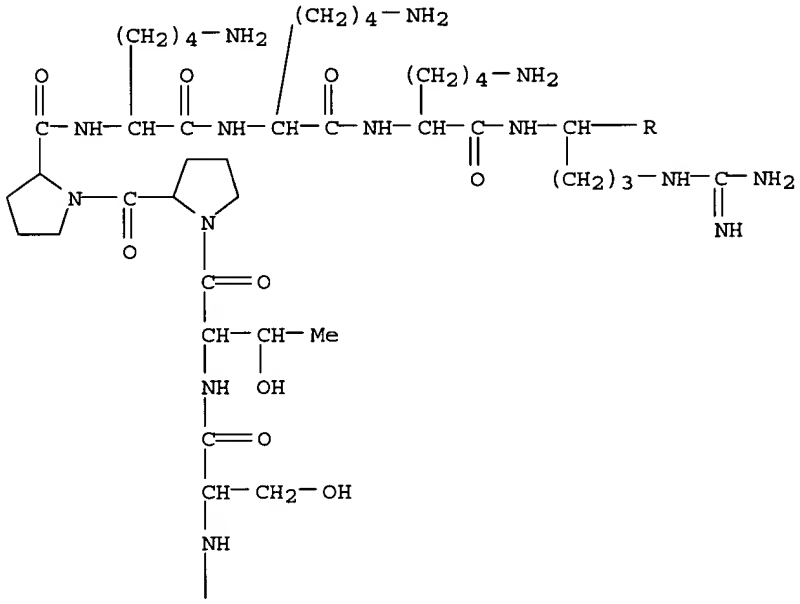
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C120 H207 N33 O30 S4

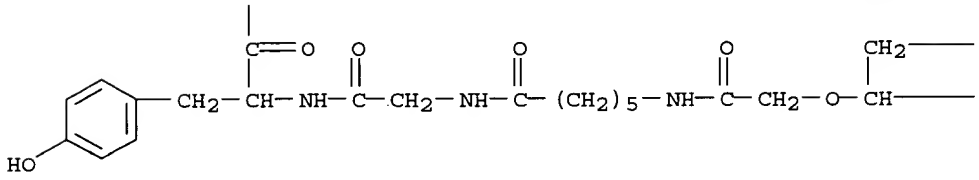
Search done by Noble Jarrell

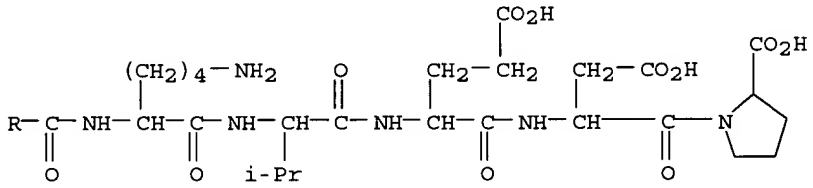
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

PAGE 1-A

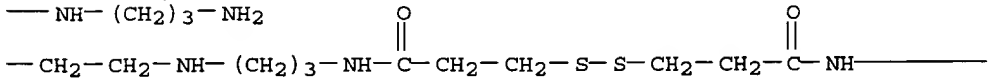


PAGE 2-A

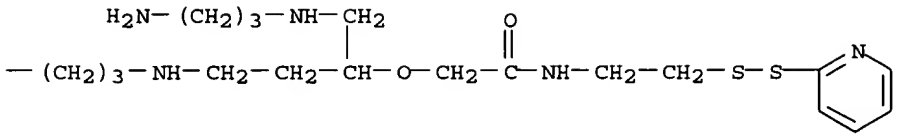




PAGE 2-B



PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

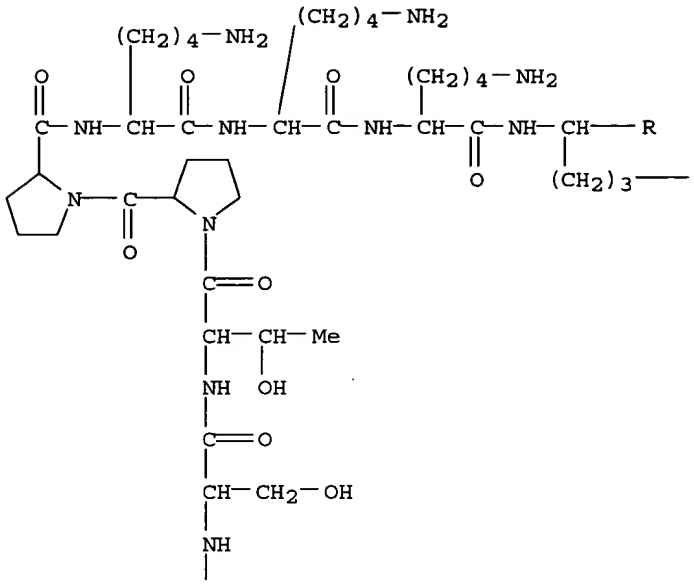
L40 ANSWER 50 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 154508-73-3 REGISTRY
CN L-Proline, N-[49-[[4-[[(2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]amino]-11,34-bis[[(3-aminopropyl)amino]methyl]-49-carboxy-1,8,19,26,37,46-hexaoxo-10,35-dioxa-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazanonatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [11S-(11R*,34R*,49R*)]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 17,16,1
NTE multichain
modified (modifications unspecified)

type	------ location ------		description
bridge	Oaa-1	- Glu-1'	covalent bridge
uncommon	Oaa-1	-	-

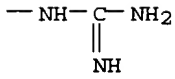
SEQ 1 XGYSTPPKKK RKVEDP

SEQ 1 E
MF C136 H226 N40 O35 S4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

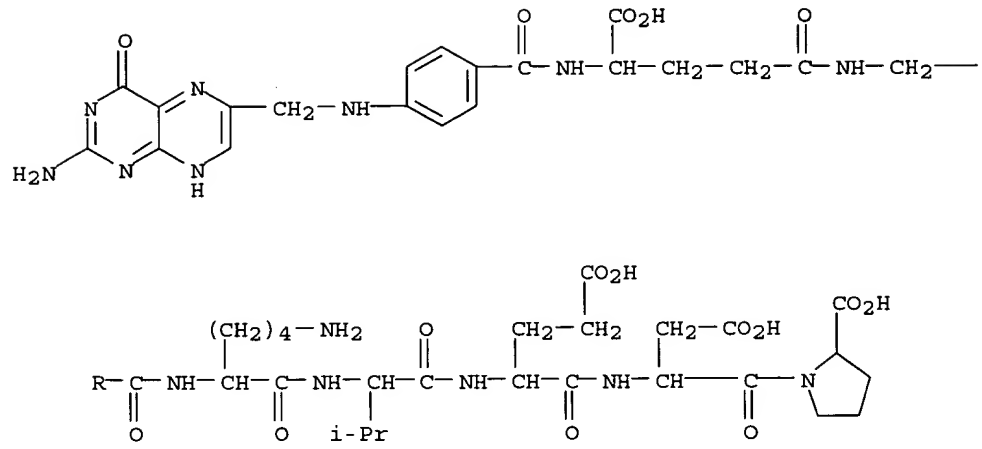
PAGE 1-D



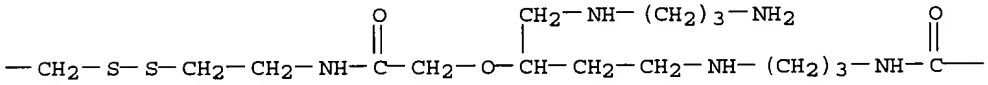
PAGE 1-E



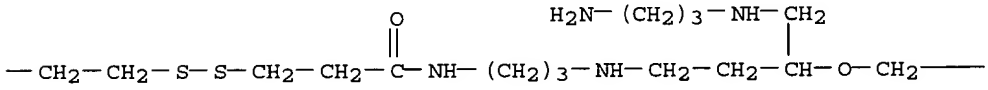
PAGE 2-A



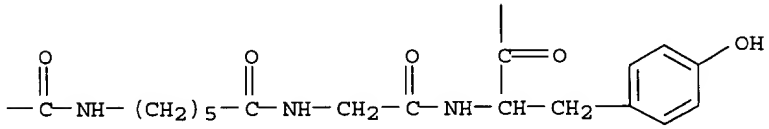
PAGE 2-B



PAGE 2-C



PAGE 2-D



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 51 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154482-76-5** REGISTRY
CN L-Proline, N-[11,34-bis[[(3-aminopropyl)amino]methyl]-45-[(dihydro-2(3H)-thienylidene)amino]-1,8,19,26,37,45-hexaoxo-10,35-dioxa-22,23,41,42-tetrathia-7,14,18,27,31,38-hexaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16

Search done by Noble Jarrell

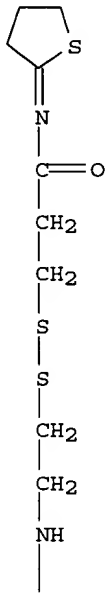
NTE modified (modifications unspecified)

type	location		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

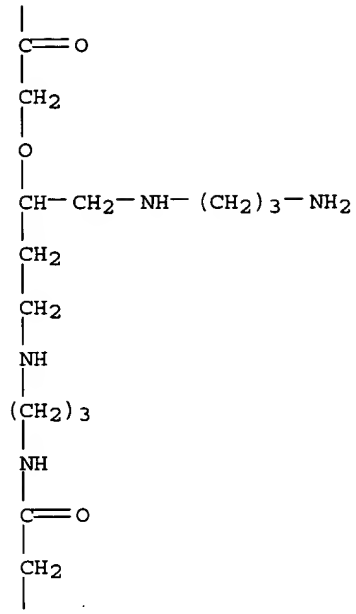
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C122 H213 N33 O31 S5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

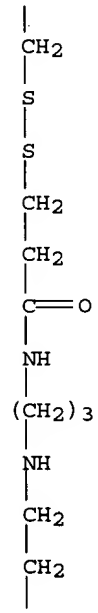
PAGE 1-A



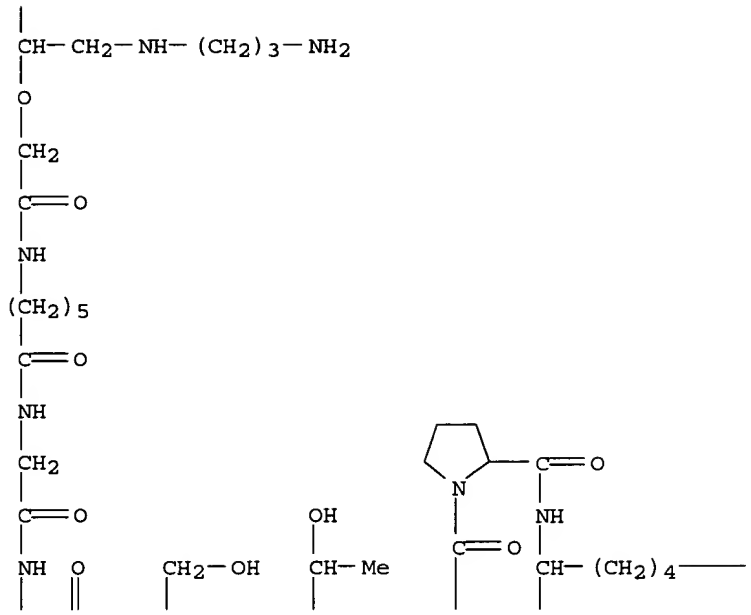
PAGE 2-A



PAGE 3-A



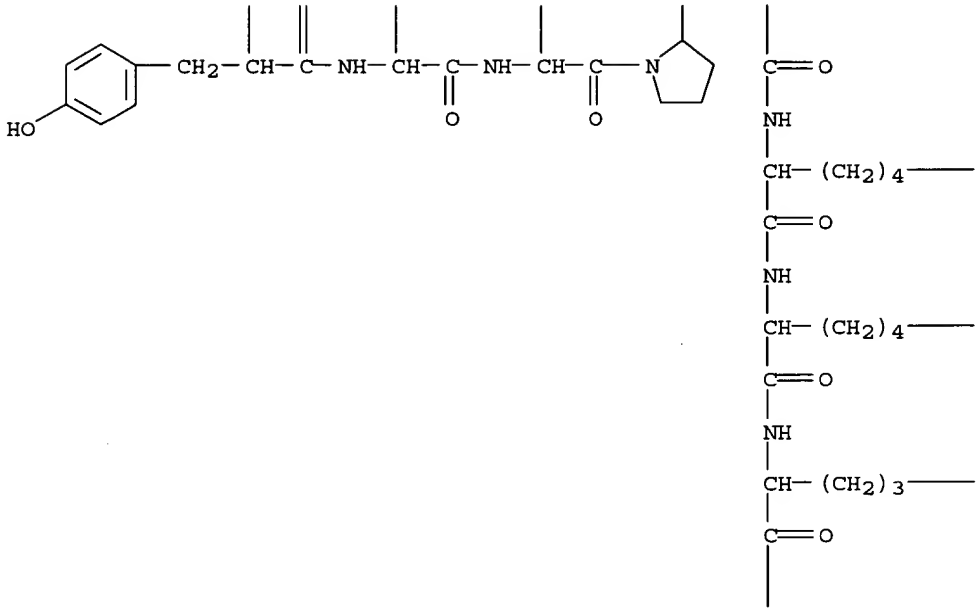
PAGE 4-A



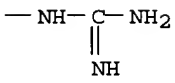
PAGE 4-B

$-NH_2$

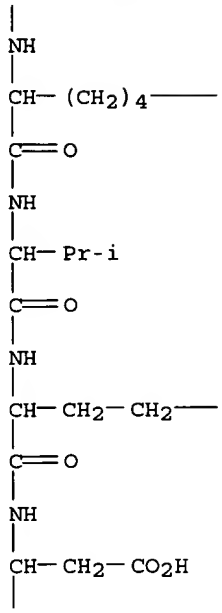
PAGE 5-A



PAGE 5-B



PAGE 6-A

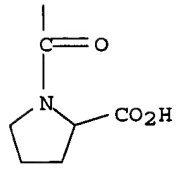


PAGE 6-B

—NH_2

—— CO_2H

PAGE 7-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

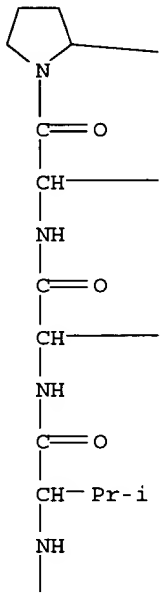
L40 ANSWER 52 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154482-75-4** REGISTRY
CN L-Proline, N-[11,34-bis[[(3-aminopropyl)amino]methyl]-40-mercapto-1,8,19,26,37-pentaoxo-10,35-dioxa-22,23-dithia-7,14,18,27,31,38-hexaazatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

type	location		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

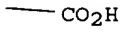
SEQ 1 XGYSTPPKKK RKVEDP

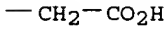
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C115 H204 N32 O30 S3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

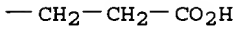
PAGE 1-C



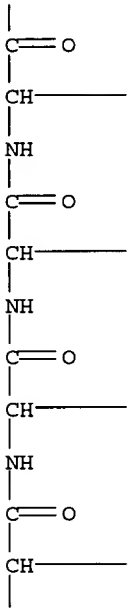
PAGE 1-D



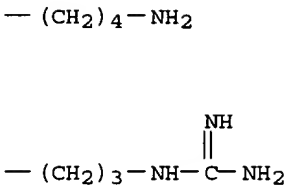


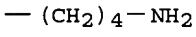


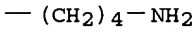
PAGE 2-C



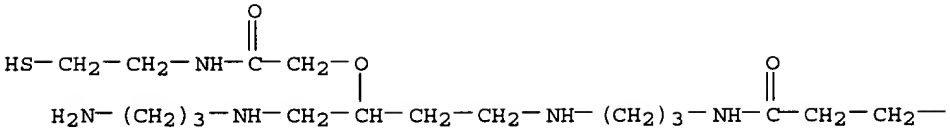
PAGE 2-D



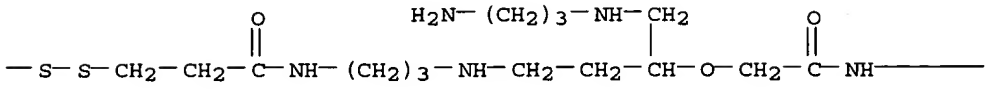




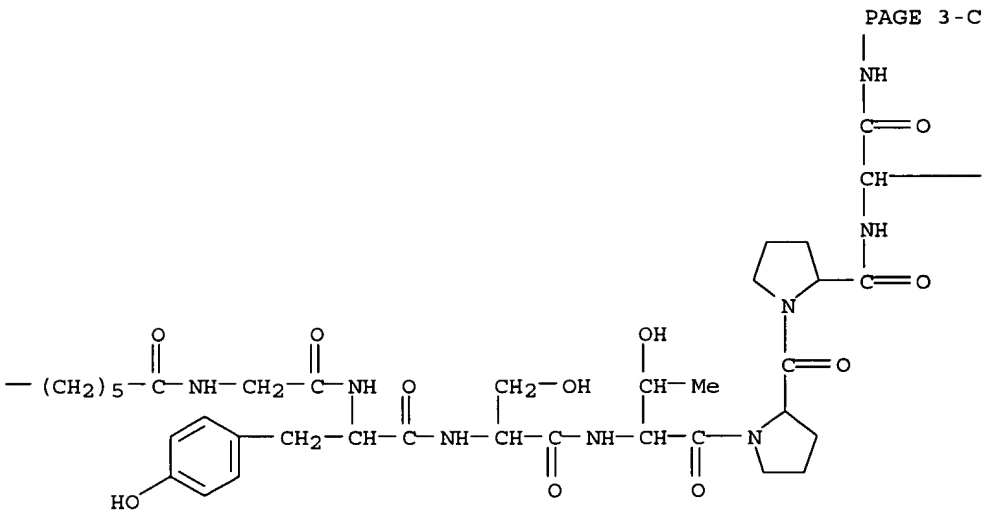
PAGE 3-A



PAGE 3-B



Search done by Noble Jarrell



— $(CH_2)_4$ — NH_2

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 53 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154482-74-3** REGISTRY
CN L-Proline, N-[11,34-bis[[(3-aminopropyl)amino]methyl]-50-(1,2-dithiolan-3-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxa-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithiolane, L-proline deriv.
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

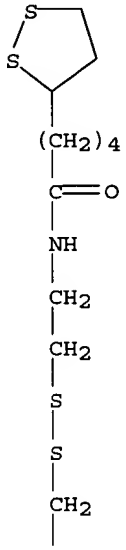
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C125 H221 N33 O31 S6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

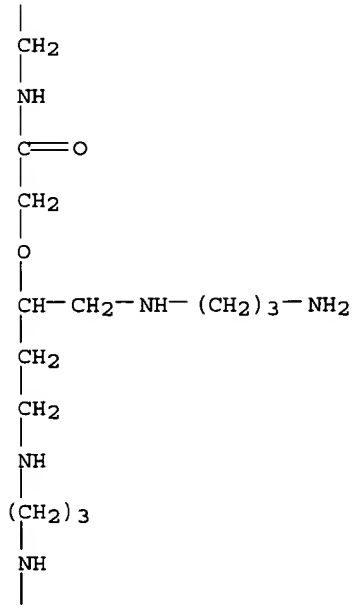
Search done by Noble Jarrell

DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

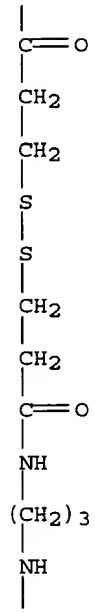
PAGE 1-A



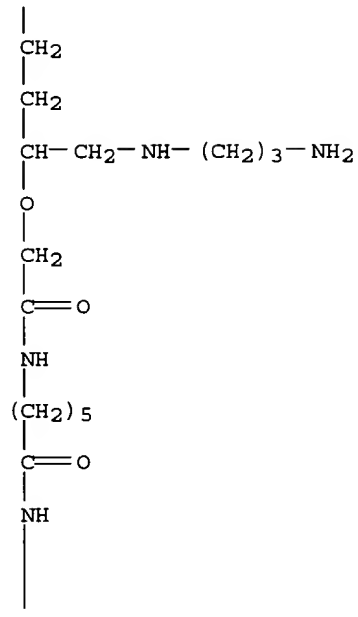
PAGE 2-A



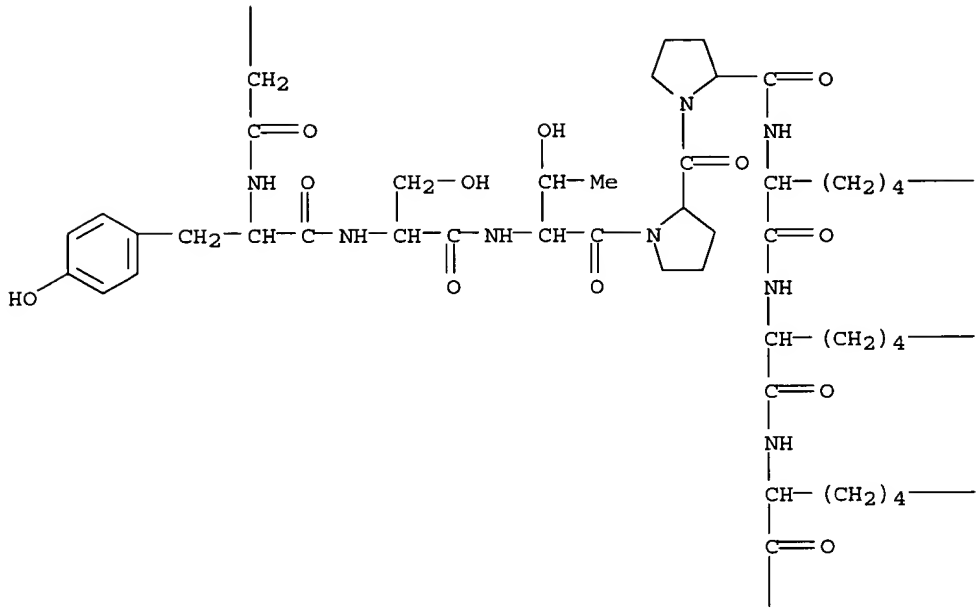
PAGE 3-A



PAGE 4-A



PAGE 5-A



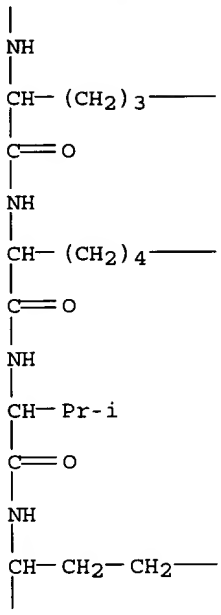
PAGE 5-B

—NH_2

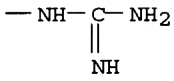
—NH_2

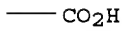
—NH_2

PAGE 6-A

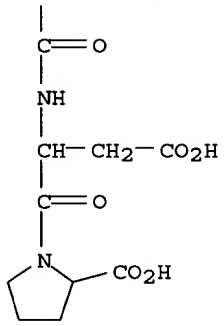


PAGE 6-B





PAGE 7-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

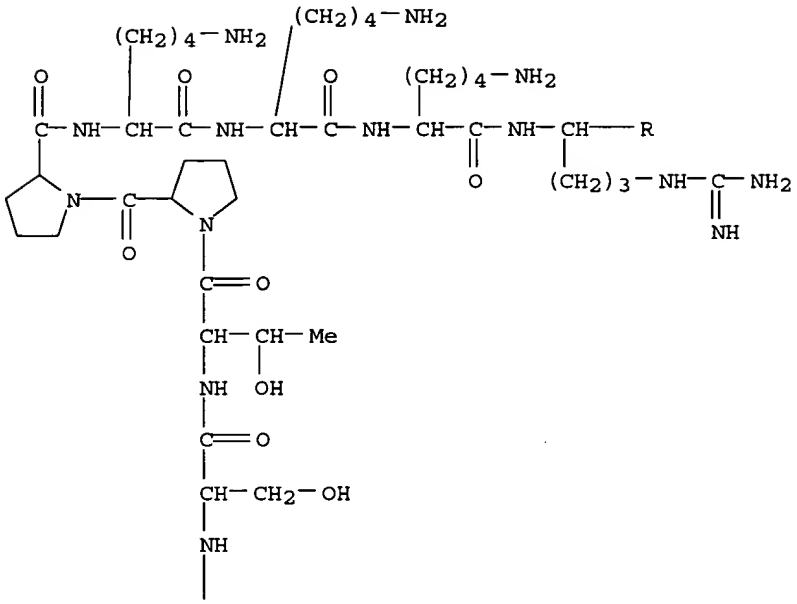
L40 ANSWER 54 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154482-73-2** REGISTRY
CN L-Proline, N-[11,34-bis[[(3-aminopropyl)amino]methyl]-50-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxa-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [3aS-[3aα,4β(11R*,34R*),6aα]]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole, L-proline deriv.
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

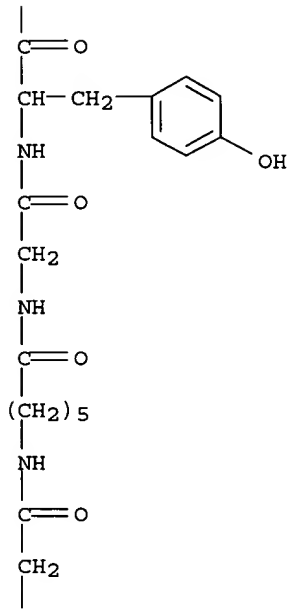
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C127 H223 N35 O32 S5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

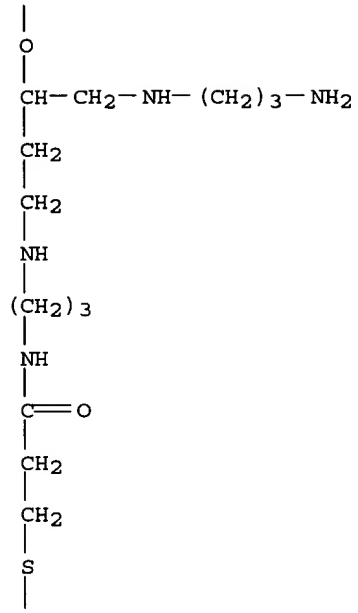
PAGE 1-A



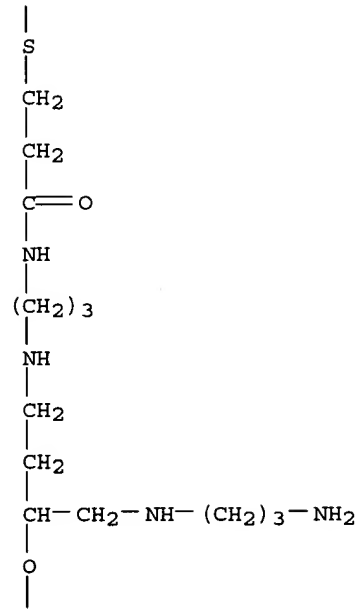
PAGE 2-A



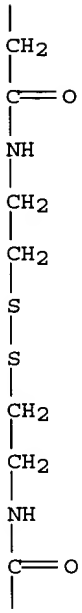
PAGE 3-A



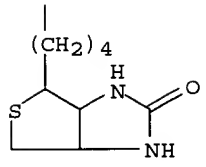
PAGE 4-A

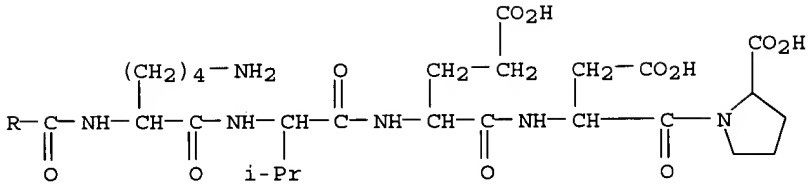


PAGE 5-A



PAGE 6-A





1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 55 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154482-72-1** REGISTRY
CN L-Glutamic acid, N-[45-amino-16-[[(3-aminopropyl)amino]methyl]-1,4,13,24,32-pentaoxo-15-oxa-8,9,28,29-tetrathia-5,12,19,23,33,37,42-heptaazapentatetracont-1-yl]-L-histidyl-L-leucyl-L-arginyl-L-arginyl-L-leucyl-L-arginyl-L-arginyl-L-arginyl-L-leucyl-L-leucyl-L-arginyl-L-α-glutamyl-L-alanyl-L-α-glutamyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 15
NTE modified (modifications unspecified)

type	------ location ------	description

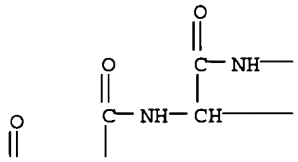
Search done by Noble Jarrell

modification His-1 - undetermined modification

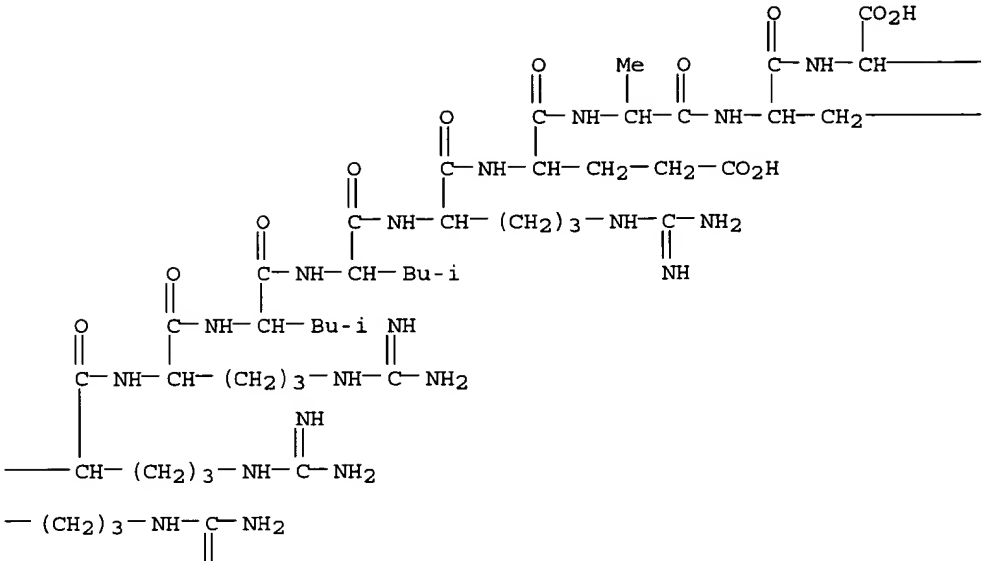
SEQ 1 HLRRLRRRLL REAEE

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C121 H225 N45 O28 S4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

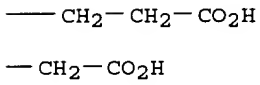
PAGE 1-C



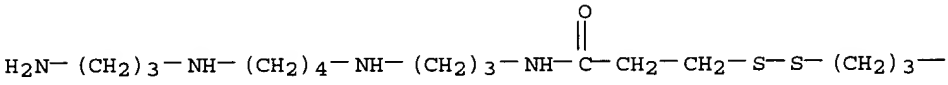
PAGE 1-D



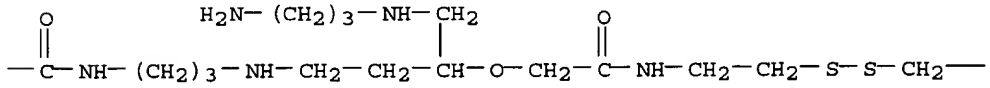
PAGE 1-E



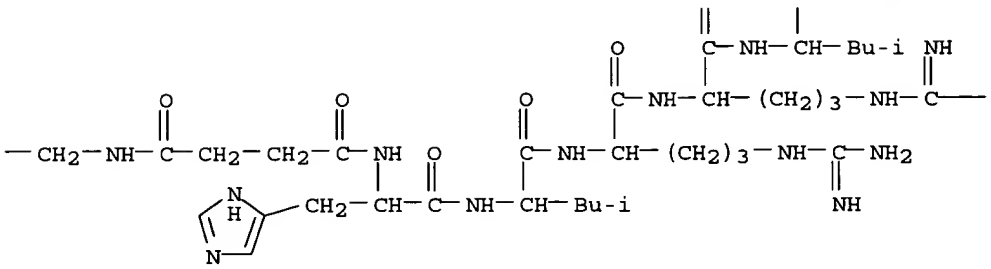
PAGE 2-A



PAGE 2-B



PAGE 2-C



PAGE 2-D

NH

——NH_2

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

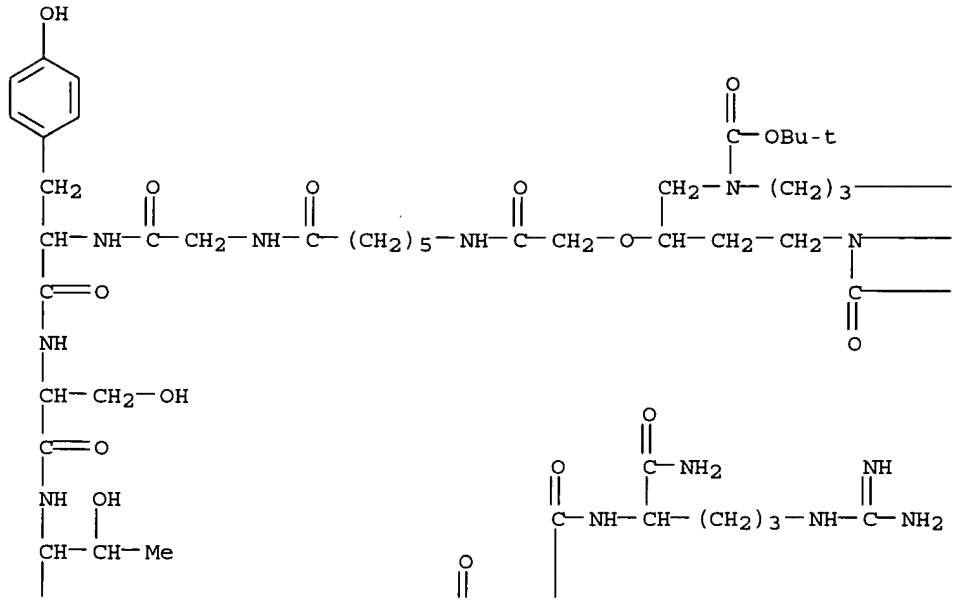
L40 ANSWER 56 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154296-06-7** REGISTRY
CN L-Argininamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxa-23,24-dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolylglycyl-L-arginyl-L-lysyl-L-lysyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 11
NTE modified

type	------ location ------		description
terminal mod.	Arg-11	-	C-terminal amide
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

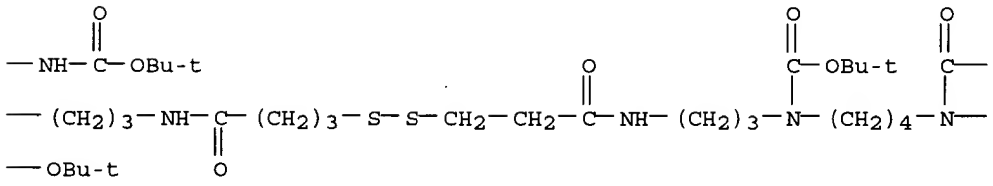
SEQ 1 XGYSTPGRKK R

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C114 H204 N28 O30 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

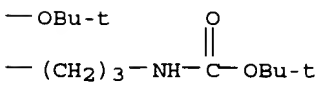
PAGE 1-A



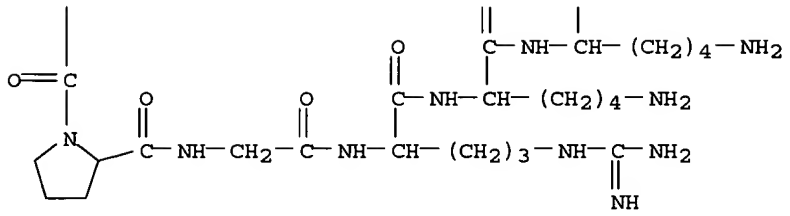
PAGE 1-B



PAGE 1-C



PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

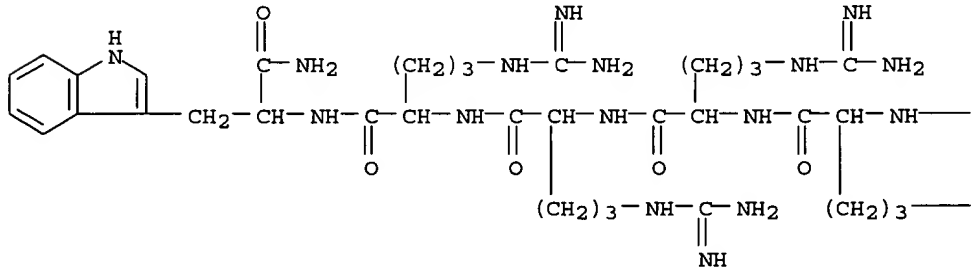
L40 ANSWER 57 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154296-05-6** REGISTRY
CN L-Tryptophanamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxa-23,24-dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-arginyl-L-arginyl-L-asparaginyl-L-arginyl-L-arginyl-L-arginyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 14
NTE modified

type	location		description
terminal mod.	Trp-14	-	C-terminal amide
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

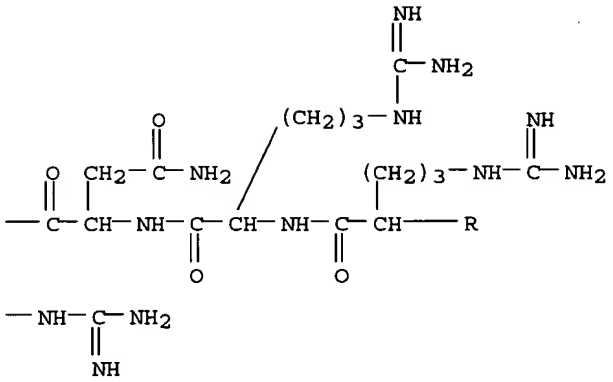
SEQ 1 XGYSTPRRNR RRRW

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C139 H241 N43 O34 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

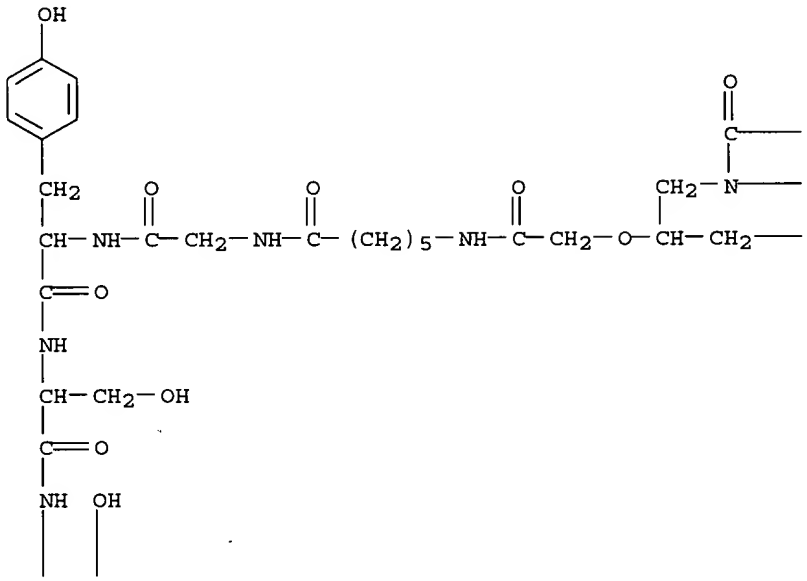
PAGE 1-A



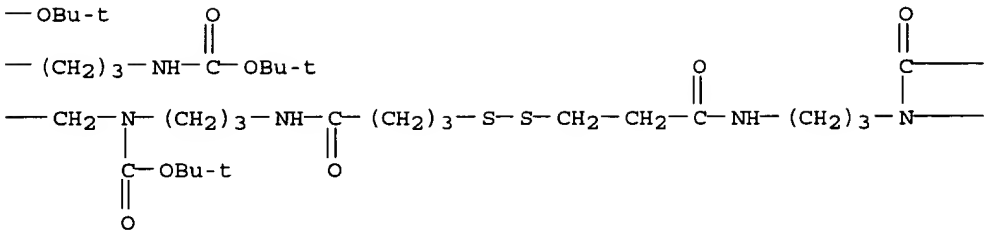
PAGE 1-B



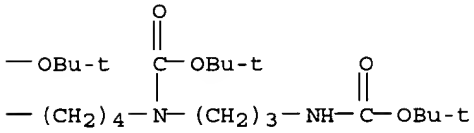
PAGE 2-A



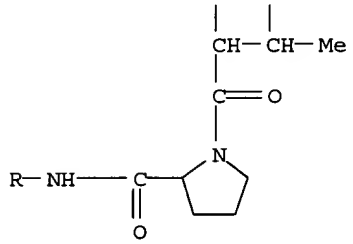
PAGE 2-B



PAGE 2-C



PAGE 3-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 58 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154270-55-0** REGISTRY
CN L-Prolinamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxa-23,24-dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-threonyl-L-arginyl-L-arginyl-L-arginyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 13
NTE modified

type	------ location ------	description

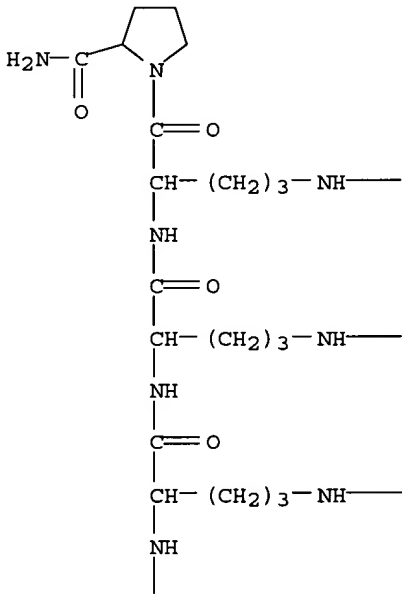
Search done by Noble Jarrell

terminal mod.	Pro-13	-	C-terminal amide
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

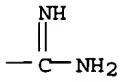
SEQ 1 XGYSTPPKTR RRP

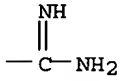
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C126 H222 N32 O33 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

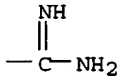
PAGE 1-C



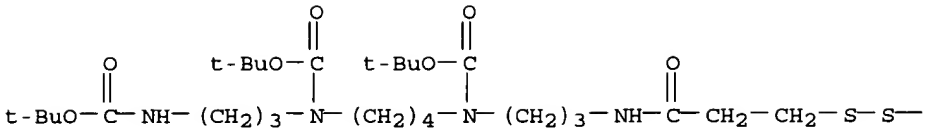
PAGE 1-D



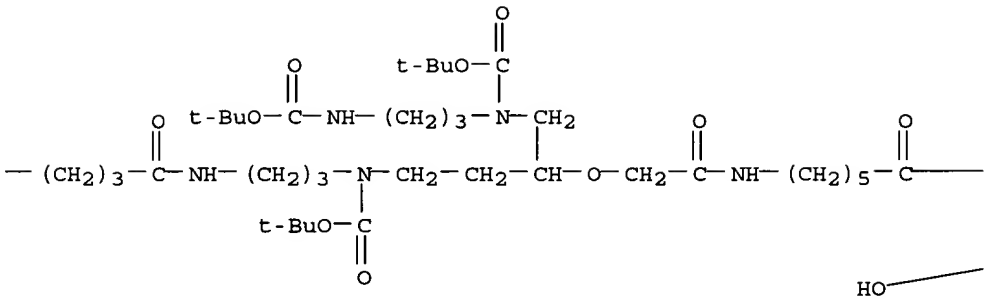




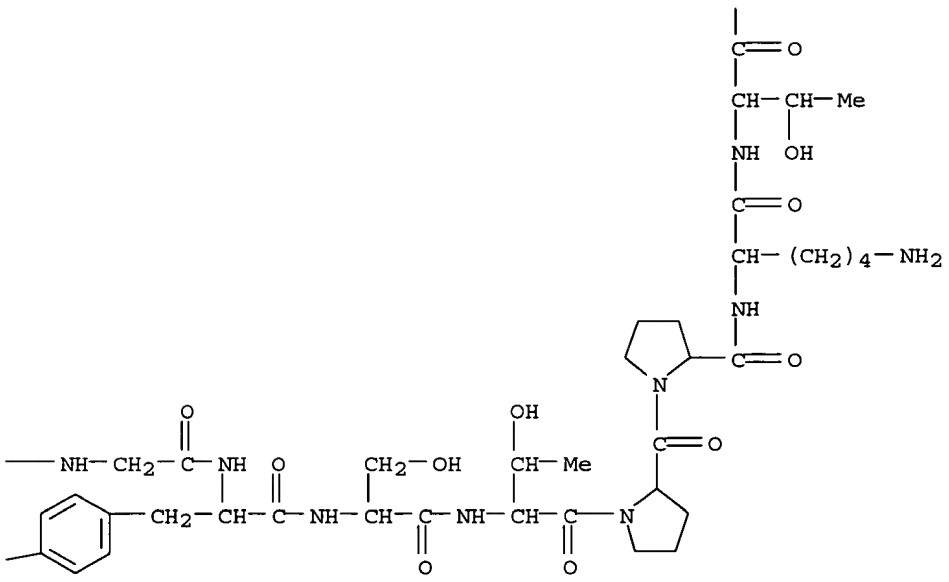
PAGE 2-A



PAGE 2-B



PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 59 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154270-54-9** REGISTRY
CN L-Prolinamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxa-23,24-dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)

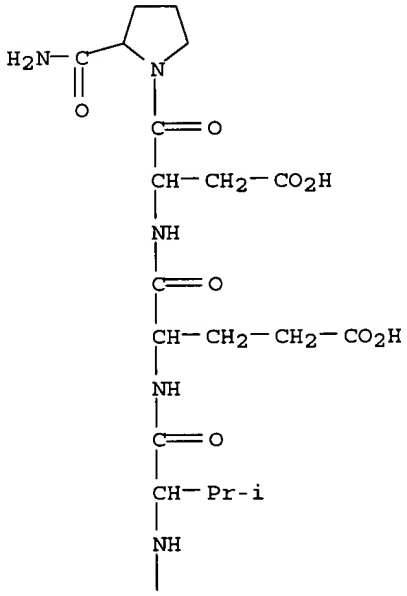
FS PROTEIN SEQUENCE
SQL 16
NTE modified

type	location		description
terminal mod.	Pro-16	-	C-terminal amide
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

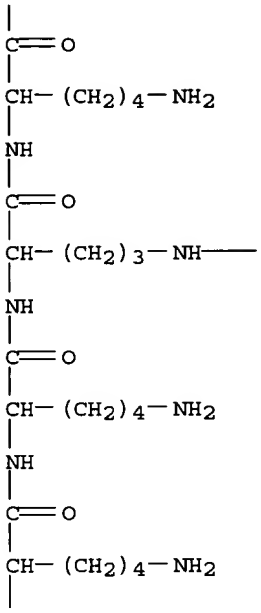
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C142 H248 N32 O39 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

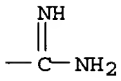
PAGE 1-C



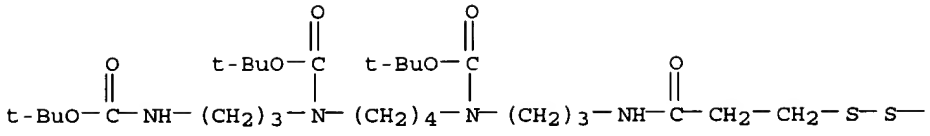
PAGE 2-C



PAGE 2-D

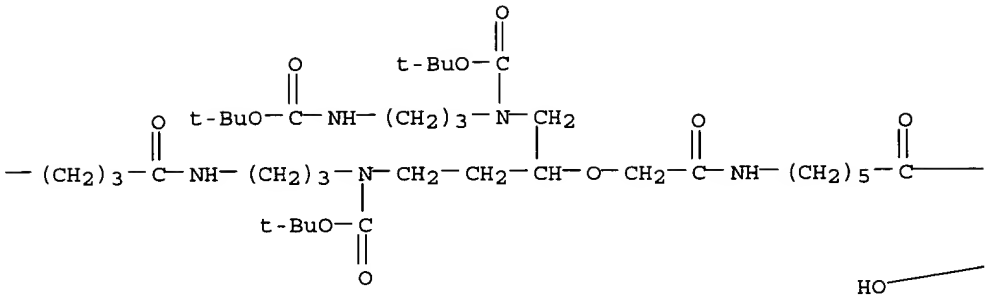


PAGE 3-A

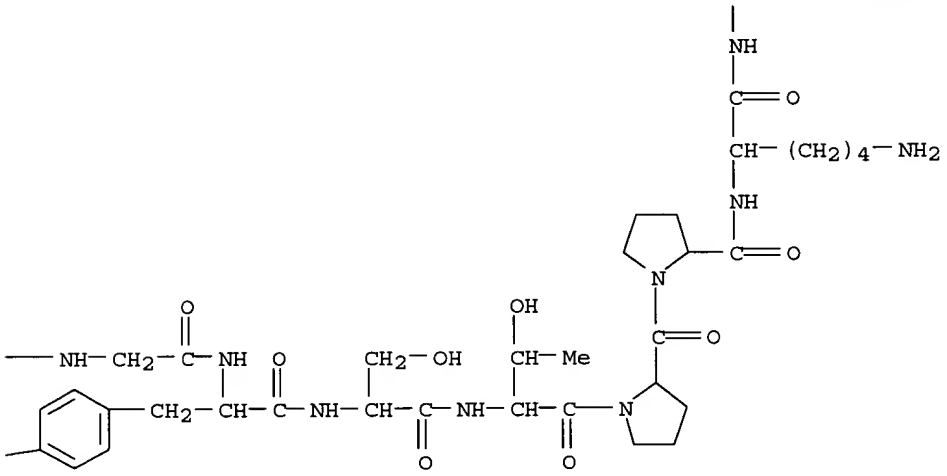


Search done by Noble Jarrell

PAGE 3-B



PAGE 3-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 60 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154242-02-1** REGISTRY
CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-45,45-dimethyl-1,8,19,26,37,43-hexaoxo-10,35,44-trioxa-22,23,41,42-tetrathia-7,14,18,27,31,38-hexaazahexatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

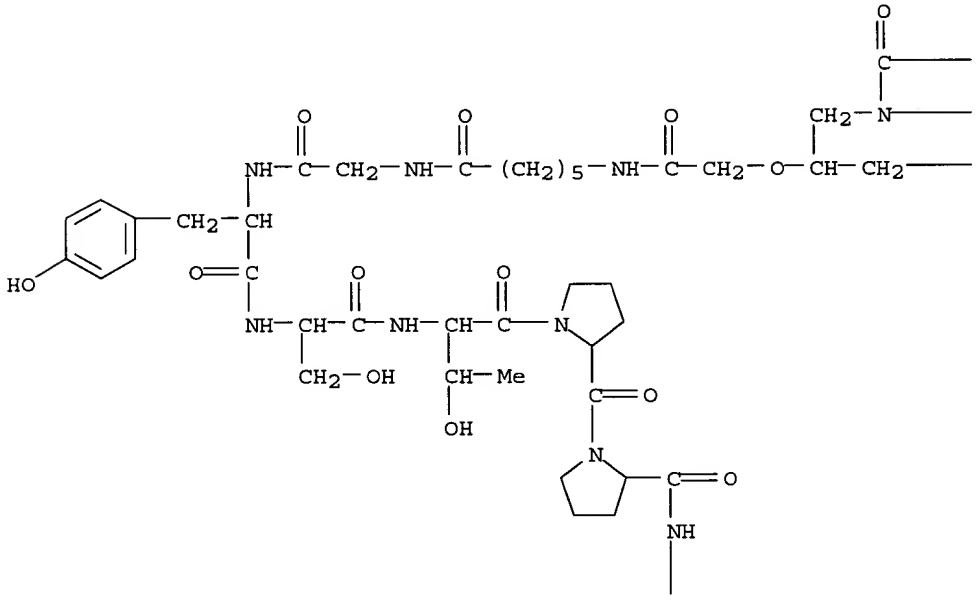
type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

Search done by Noble Jarrell

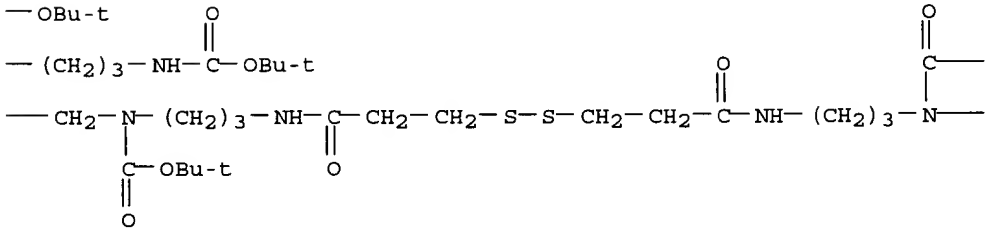
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C150 H260 N32 O44 S4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

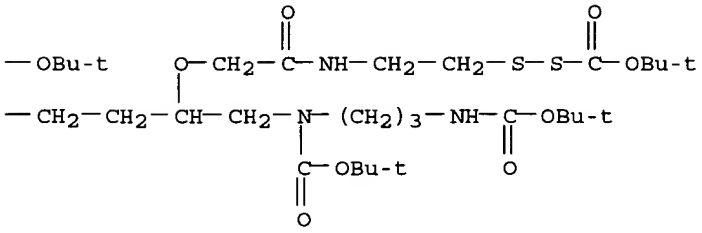
PAGE 1-A



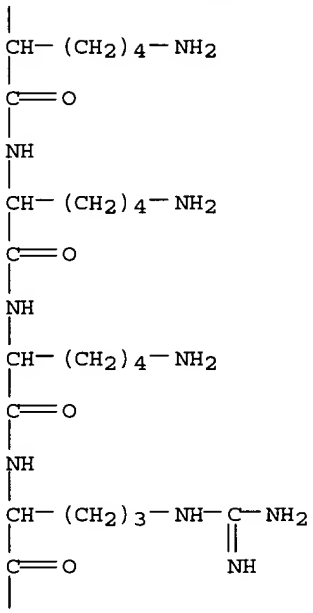
PAGE 1-B



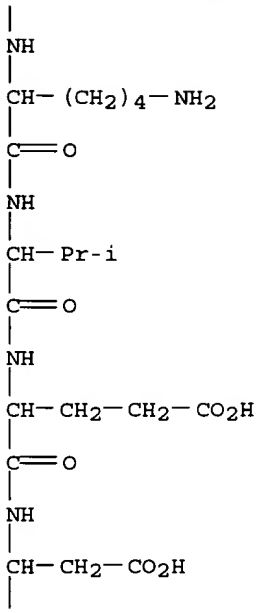
PAGE 1-C



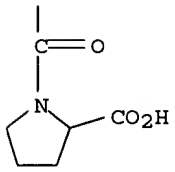
PAGE 2-A



PAGE 3-A



PAGE 4-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 61 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154242-01-0** REGISTRY
CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-1,8,19,26,37-pentaoxo-40-(2-pyridinyldithio)-10,35-dioxa-22,23-dithia-7,14,18,27,31,38-hexaazatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

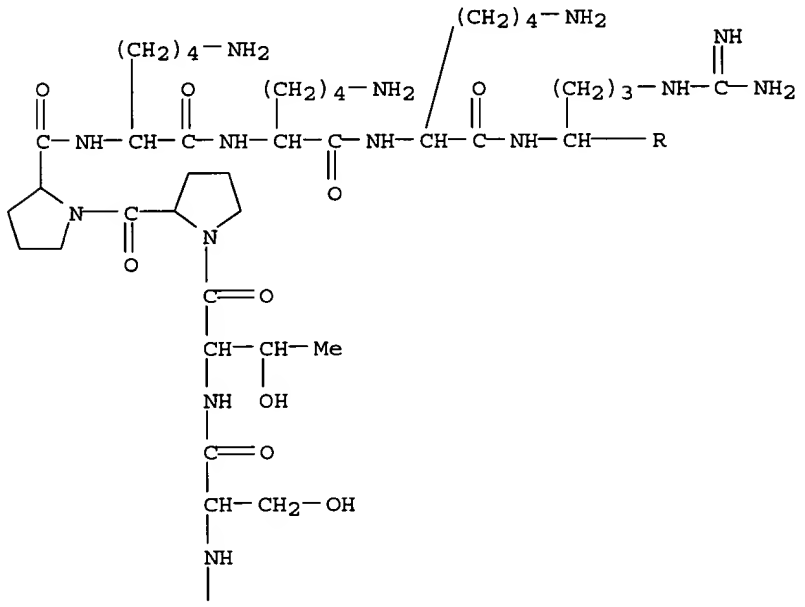
type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

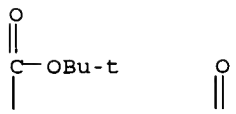
RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C150 H255 N33 O42 S4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

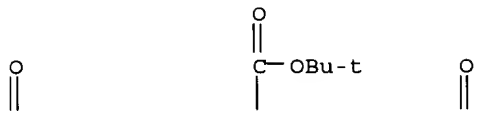
PAGE 1-A



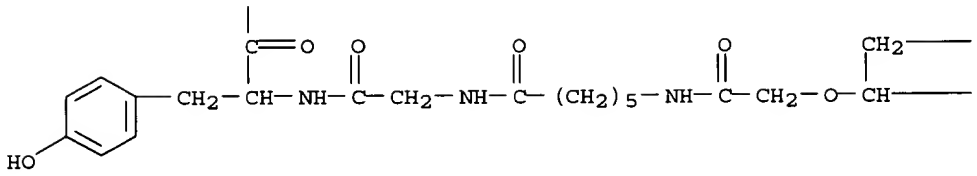
PAGE 1-B

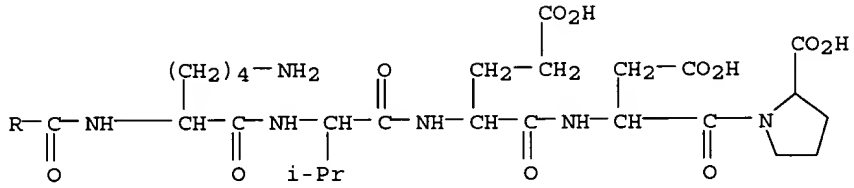


PAGE 1-C

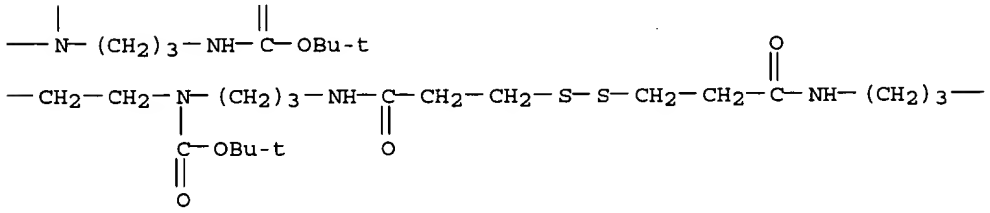


PAGE 2-A

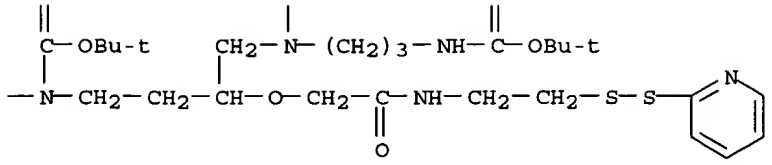




PAGE 2-B



PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 62 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154242-00-9** REGISTRY
CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-50-(1,2-dithiolan-3-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxa-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithiolane, L-proline deriv.
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 16
NTE modified (modifications unspecified)

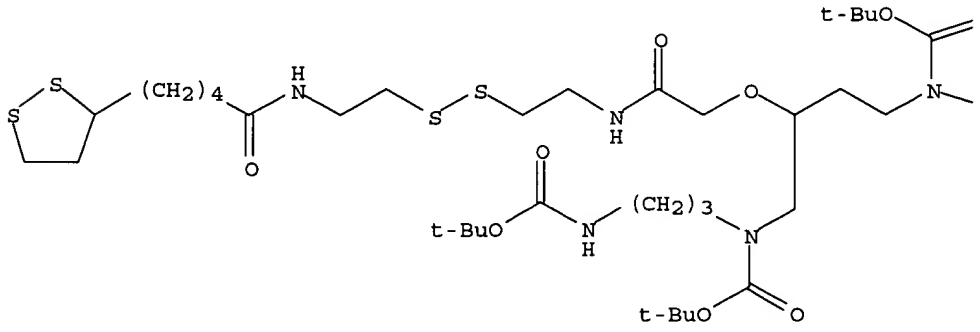
type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

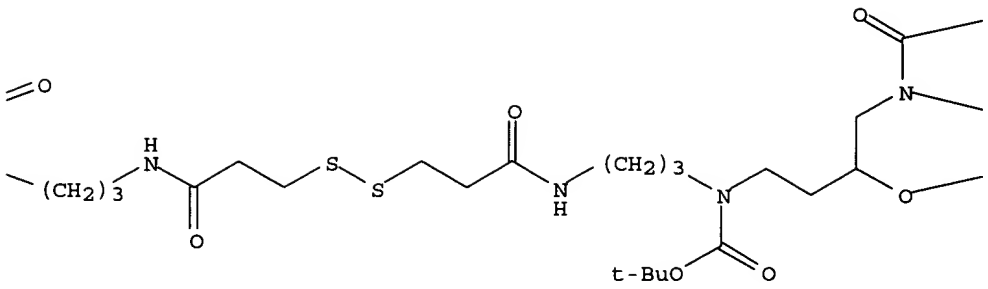
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C155 H269 N33 O43 S6
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

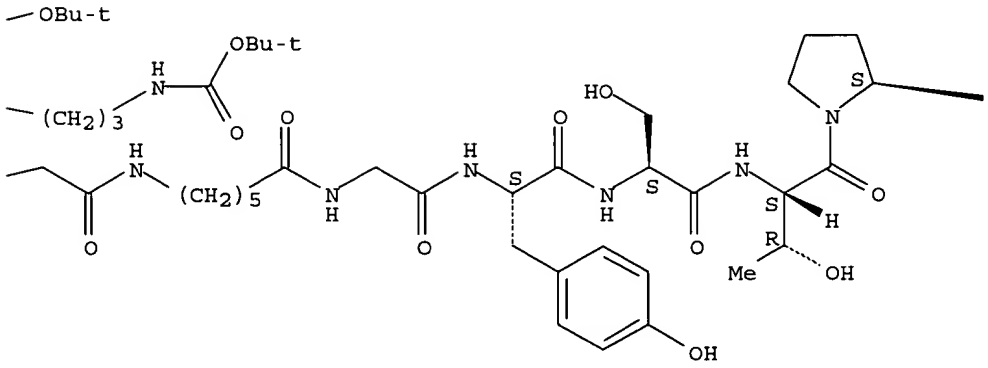
PAGE 1-A



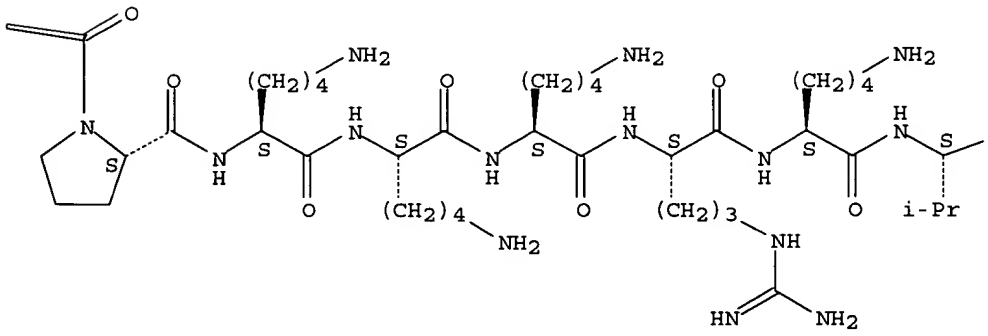
PAGE 1-B



PAGE 1-C

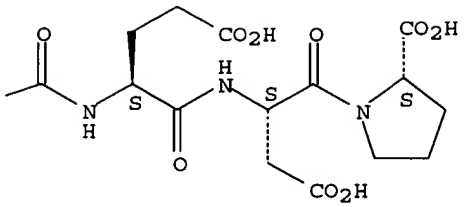


PAGE 1-D



Search done by Noble Jarrell

PAGE 1-E



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

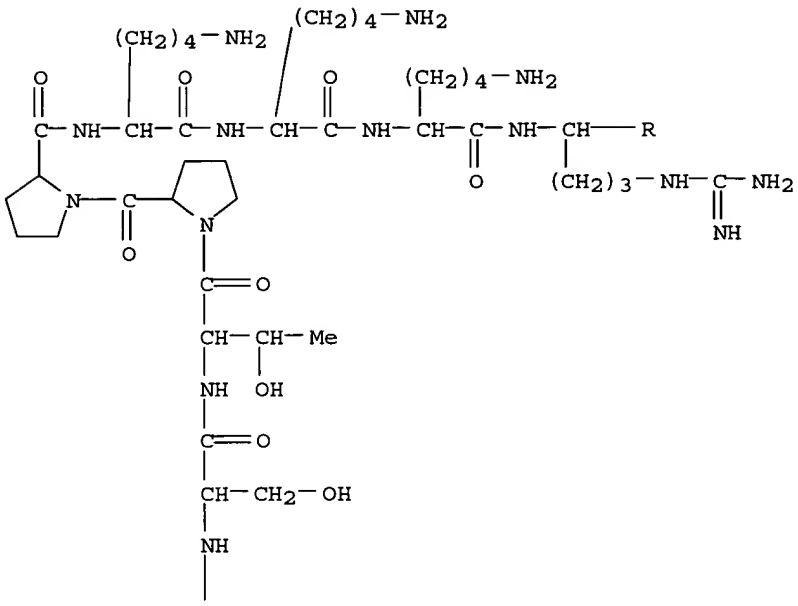
L40 ANSWER 63 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-99-3** REGISTRY
CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-50-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxa-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [3aS-[3aα,4β(11R*,34R*),6aα]]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole, L-proline deriv.
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

type	location		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

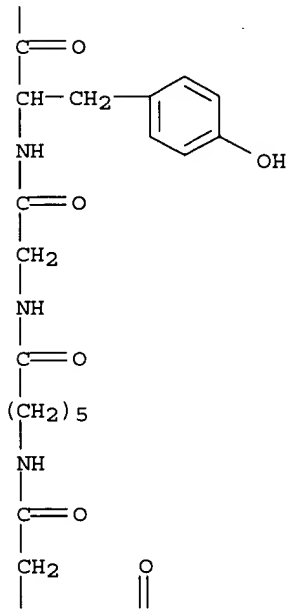
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C157 H271 N35 O44 S5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

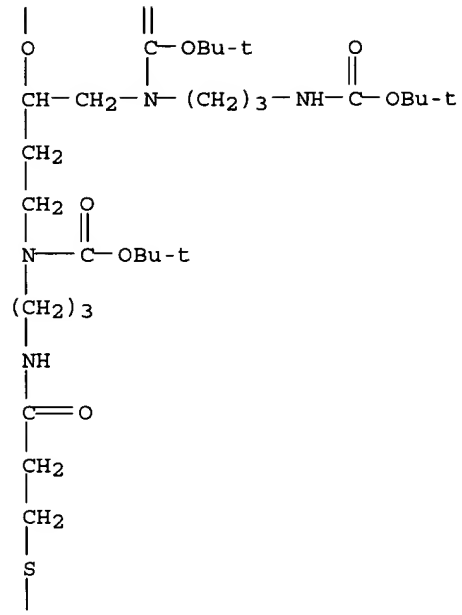
PAGE 1-A



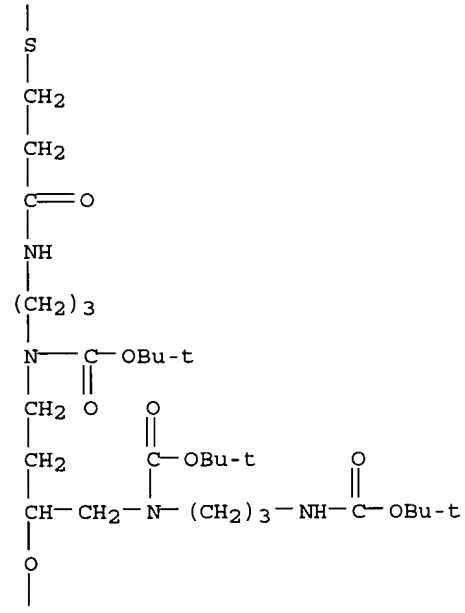
PAGE 2-A



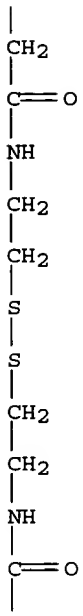
PAGE 3-A



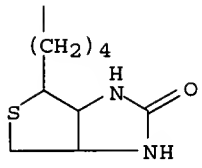
PAGE 4-A

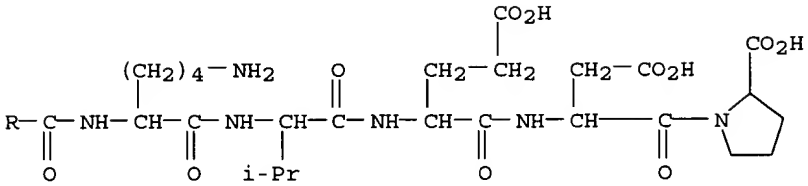


PAGE 5-A



PAGE 6-A





1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 64 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-98-2** REGISTRY
CN L-Proline, N-[24-carboxy-14-[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-1,8,19-trioxo-10-oxa-22,23-dithia-7,14,18-triazatetracos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

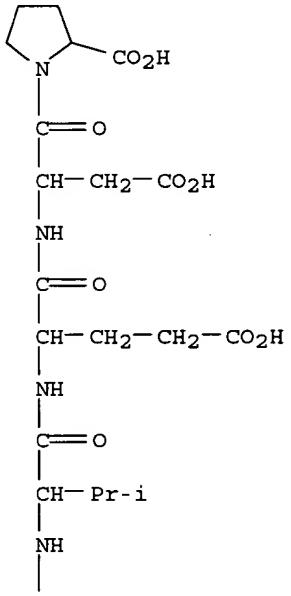
Search done by Noble Jarrell

type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

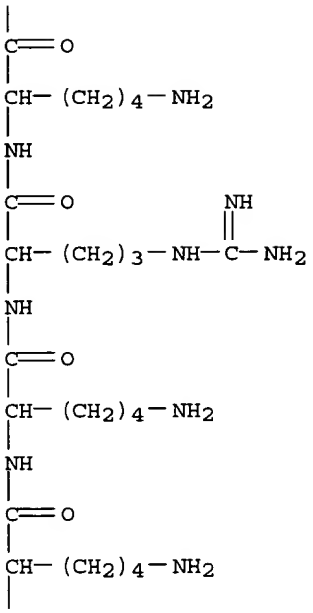
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C116 H197 N27 O35 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

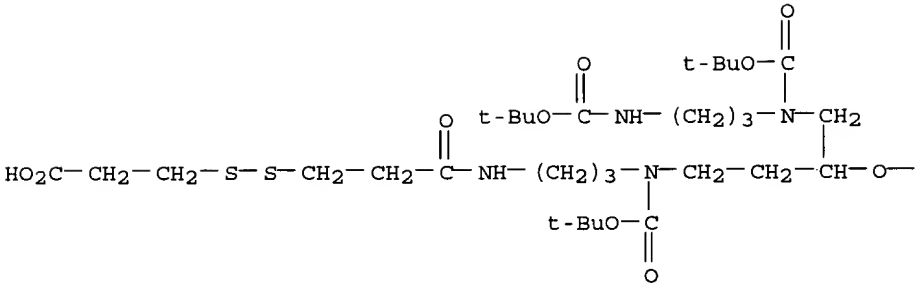
PAGE 1-C



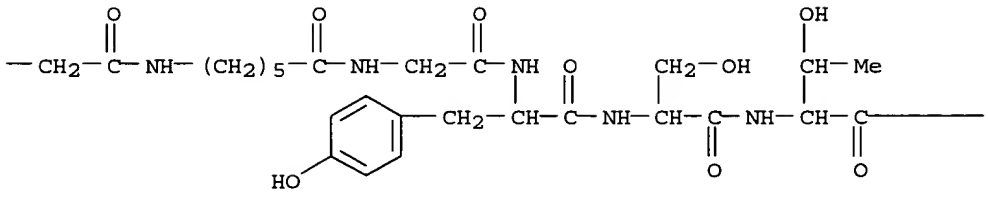
PAGE 2-C



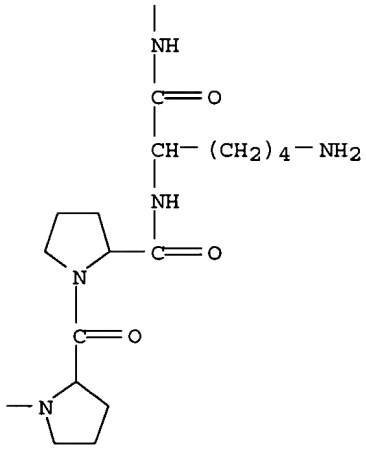
PAGE 3-A



PAGE 3-B



PAGE 3-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 65 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-97-1** REGISTRY
CN L-Proline, N-[28-(3,5-dimethoxyphenyl)-14-[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-1,8,19,26-tetraoxo-10,27-dioxa-22,23-dithia-7,14,18-triazaoctacos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-asparty-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

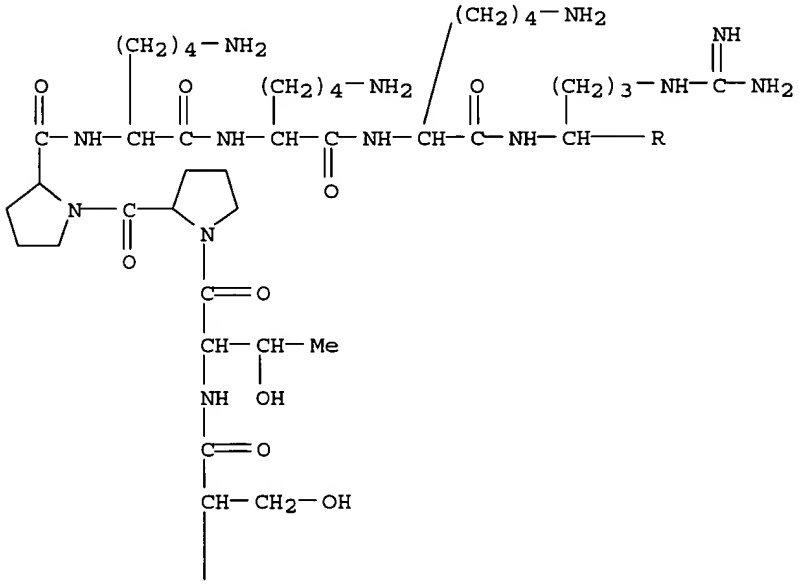
type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

Search done by Noble Jarrell

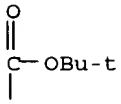
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C125 H207 N27 O37 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

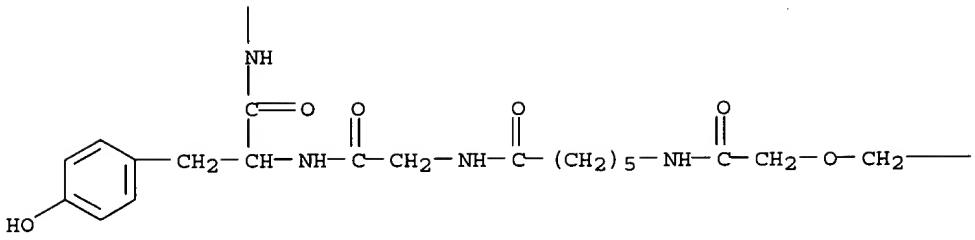
PAGE 1-A

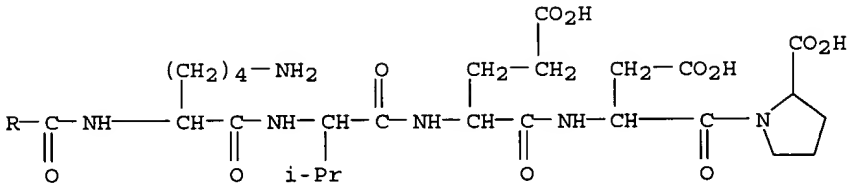


PAGE 1-C

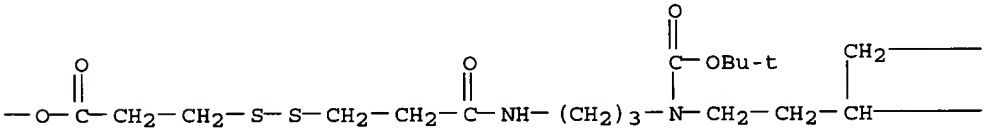


PAGE 2-A



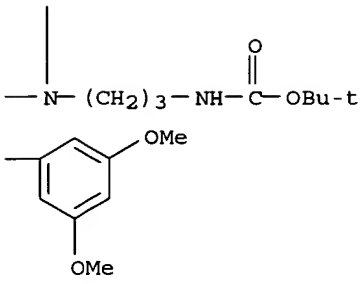


PAGE 2-B



Search done by Noble Jarrell

PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

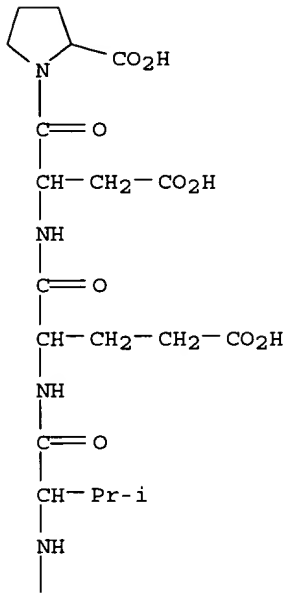
L40 ANSWER 66 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-96-0** REGISTRY
CN L-Proline, N-[11-[2-[(3-aminopropyl)[(1,1-dimethylethoxy)carbonyl]amino]ethyl]-13-[(1,1-dimethylethoxy)carbonyl]-20,20-dimethyl-1,8,18-trioxo-10,19-dioxa-7,13,17-triazaheneicos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

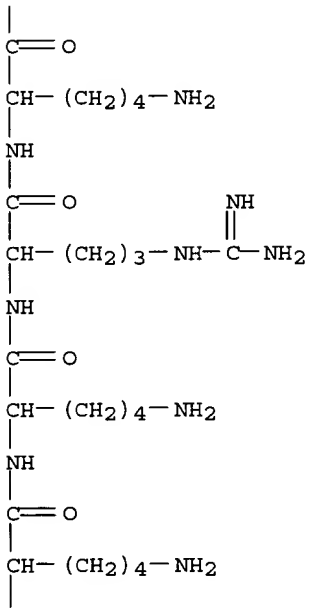
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C110 H189 N27 O32
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

PAGE 1-B

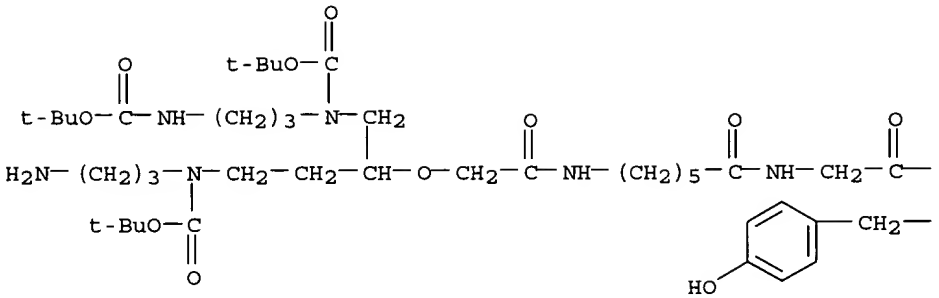


PAGE 2-B

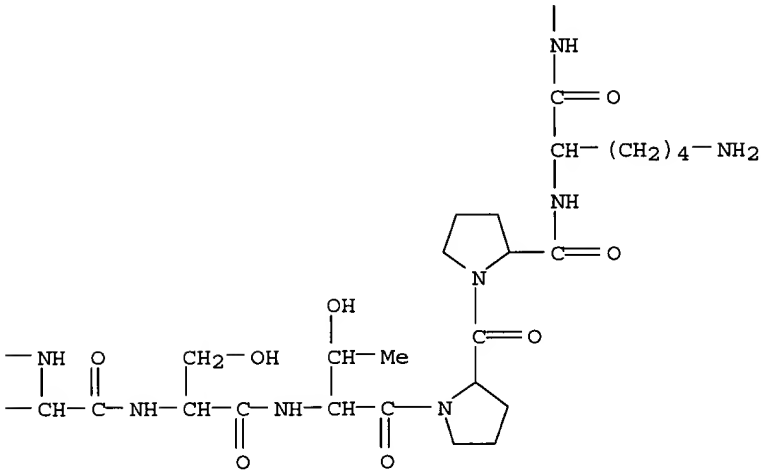


Search done by Noble Jarrell

PAGE 3-A



PAGE 3-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 67 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-95-9** REGISTRY
CN L-Proline, N-[13-[(1,1-dimethylethoxy)carbonyl]-11-[2-[[(1,1-dimethylethoxy)carbonyl][3-[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]propyl]amino]ethyl]-20,20-dimethyl-1,8,18-trioxo-10,19-dioxa-7,13,17-triazaheneicos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 16
NTE modified (modifications unspecified)

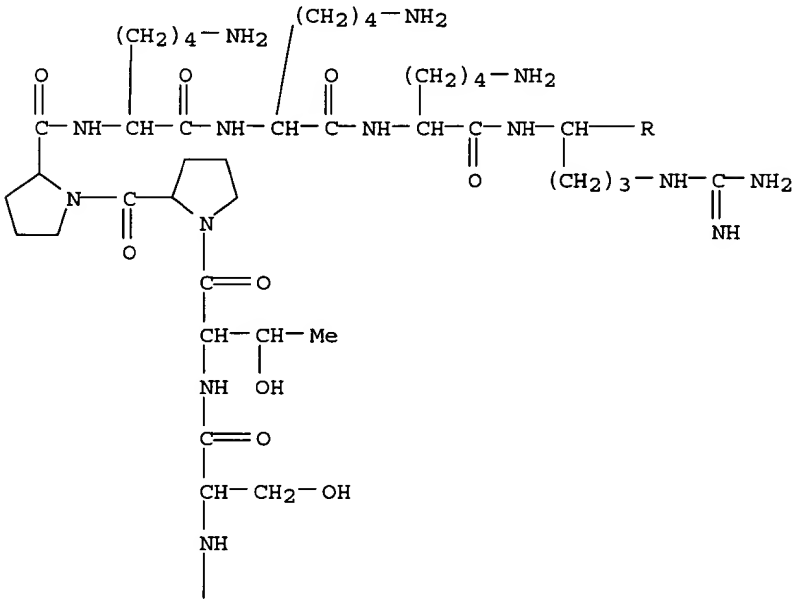
type	------ location ------		description
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

Search done by Noble Jarrell

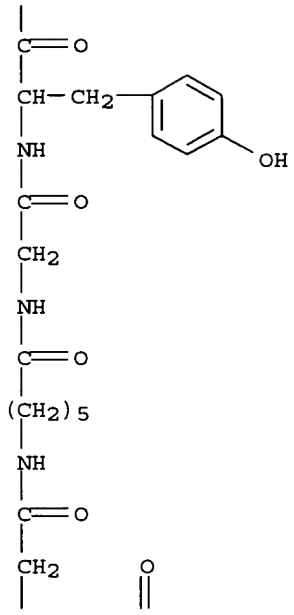
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C125 H199 N27 O34
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)

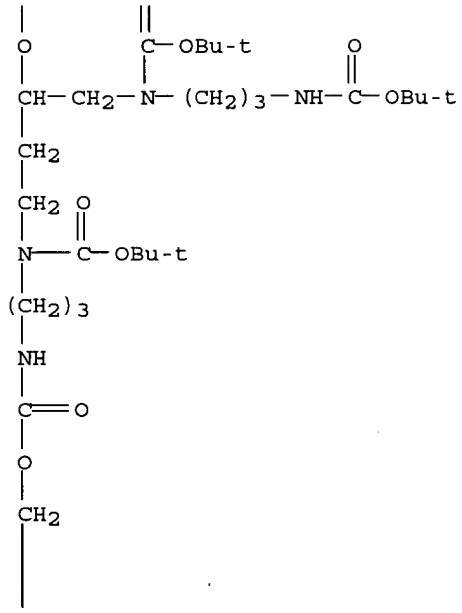
PAGE 1-A



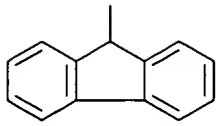
PAGE 2-A

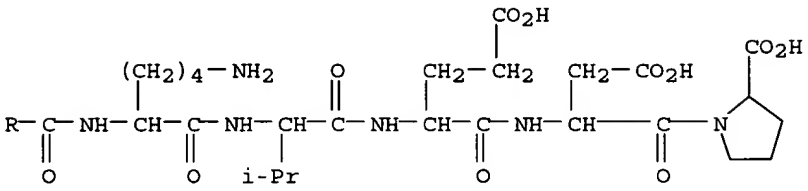


PAGE 3-A



PAGE 4-A





1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 68 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-84-6** REGISTRY
CN L-Tryptophanamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-arginyl-L-arginyl-L-asparaginyl-L-arginyl-L-arginyl-L-arginyl-L-arginyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 22,13,9
NTE multichain
modified (modifications unspecified)

type	------ location ------		description
bridge	Gly-1	- Lys-2'	covalent bridge

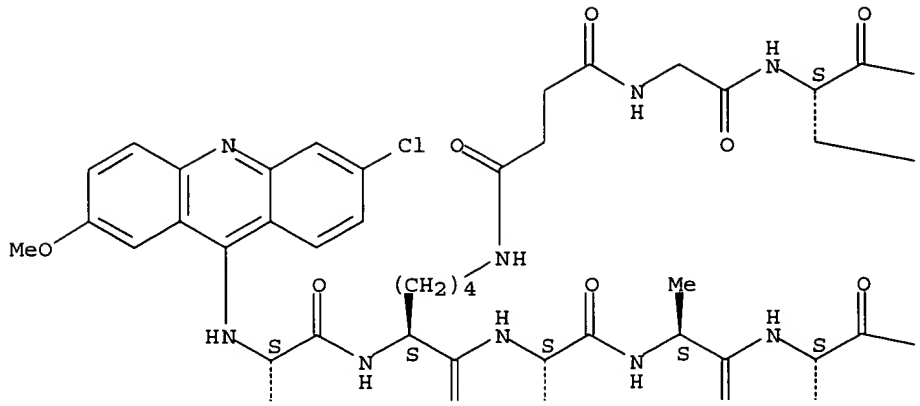
SEQ 1 GYSTPRRNRR RRW

SEQ 1 YKKAKAKAK

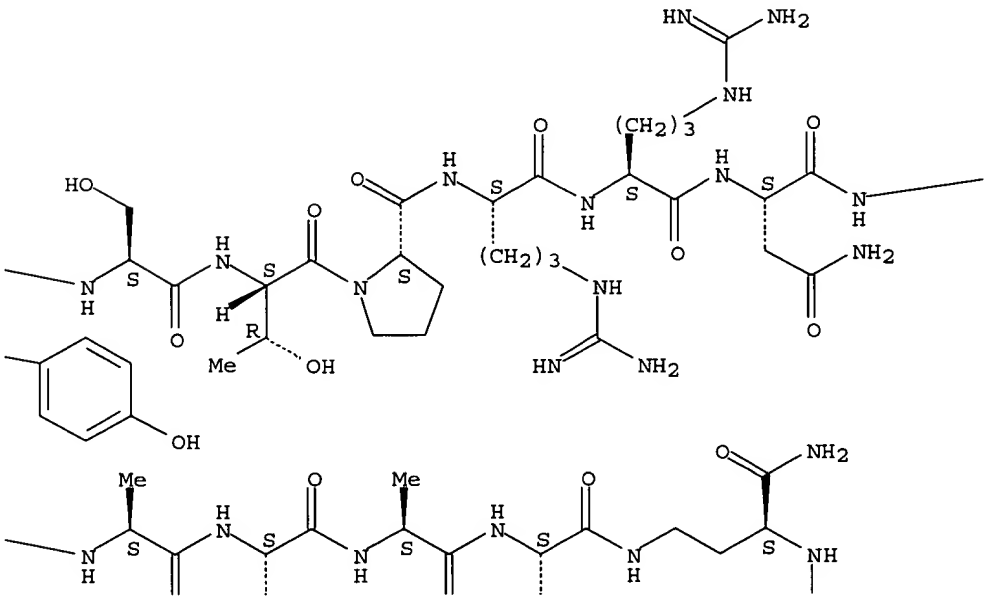
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C158 H235 C12 N53 O32
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

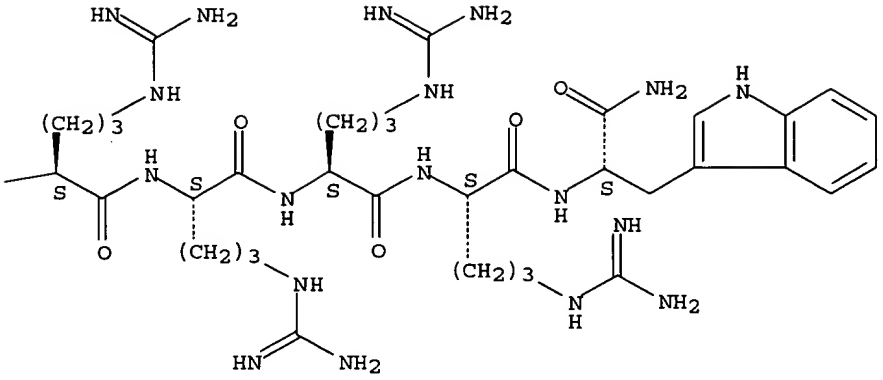
PAGE 1-A



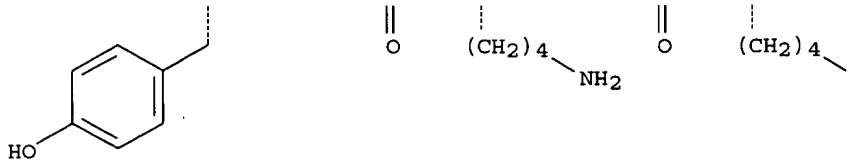
PAGE 1-B



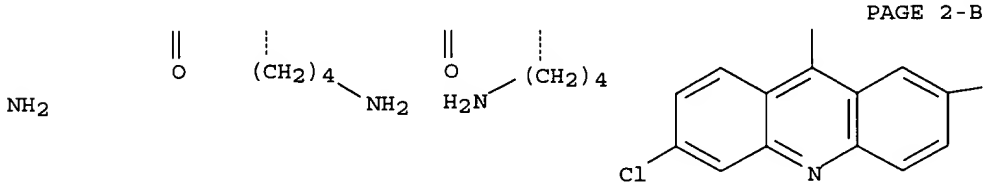
PAGE 1-C



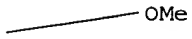
PAGE 2-A



PAGE 2-B



PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 69 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-83-5** REGISTRY
CN L-Argininamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolylglycyl-L-arginyl-L-lysyl-L-lysyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 19,10,9
NTE multichain
modified (modifications unspecified)

type	------ location ------	description

bridge Gly-1 - Lys-2' covalent bridge

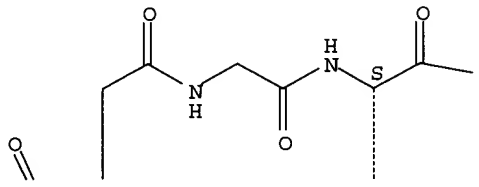
SEQ 1 GYSTPGRKKR

SEQ 1 YKKAKAKAK

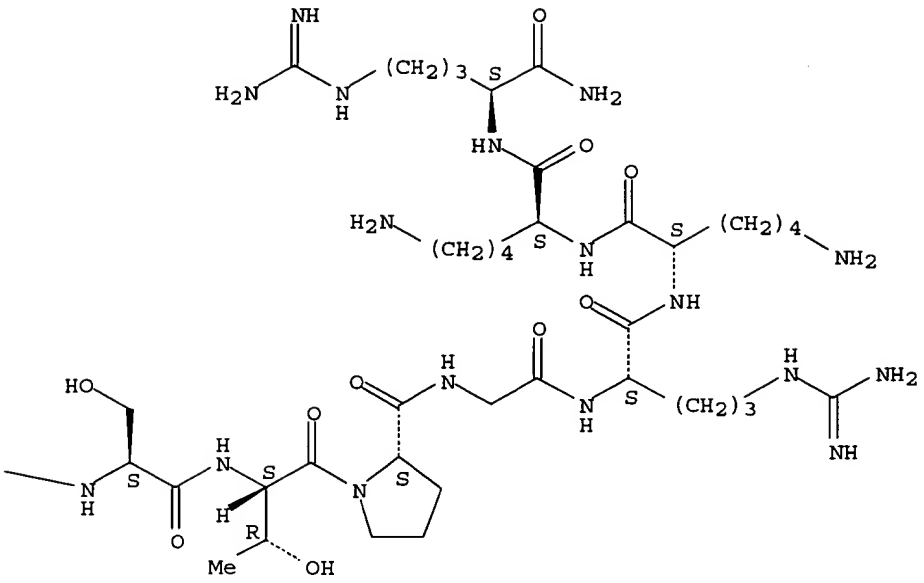
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C133 H198 Cl2 N38 O28
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

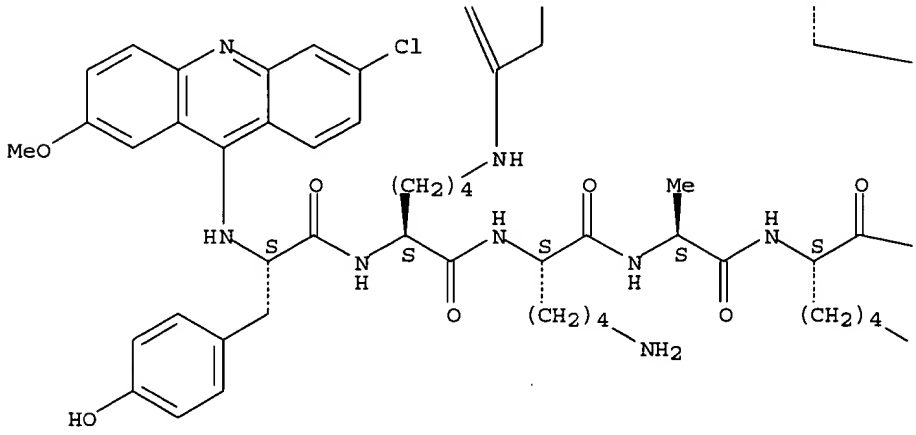
PAGE 1-A



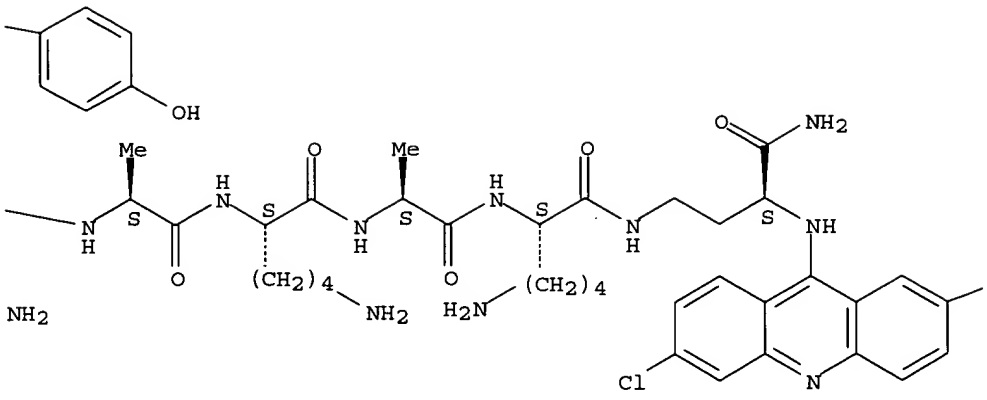
PAGE 1-B



PAGE 2-A



PAGE 2-B



PAGE 2-C

OMe

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 70 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-82-4** REGISTRY
CN L-Prolinamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-threonyl-L-arginyl-L-arginyl-L-arginyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 21,12,9
NTE multichain
modified (modifications unspecified)

type	------ location ------	description
bridge	Gly-1 - Lys-2'	covalent bridge

SEQ 1 GYSTPPKTRR RP

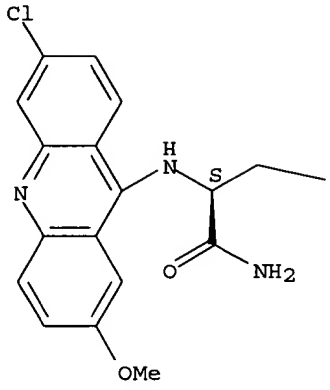
SEQ 1 YKKAKAKAK

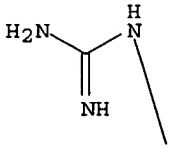
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C145 H216 Cl2 N42 O31

SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

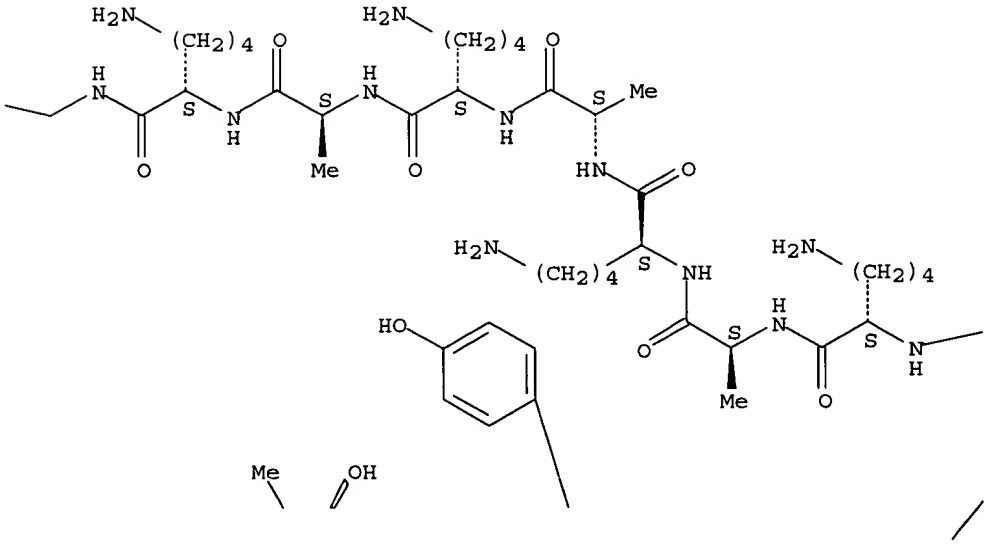
Absolute stereochemistry.

PAGE 1-A

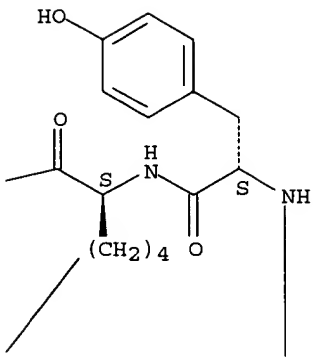




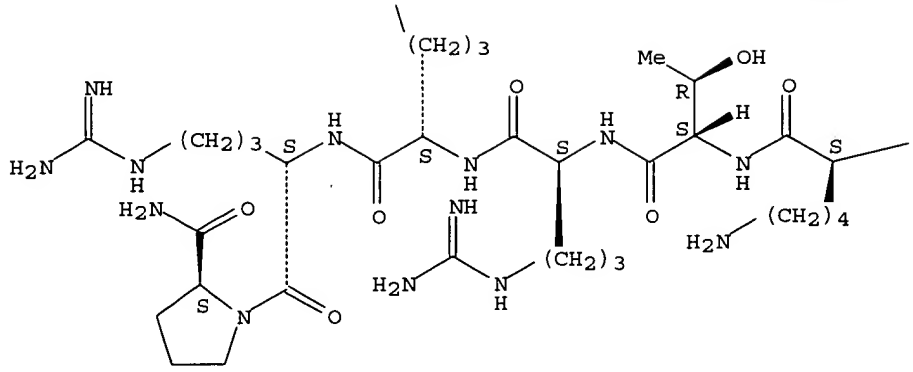
PAGE 1-B



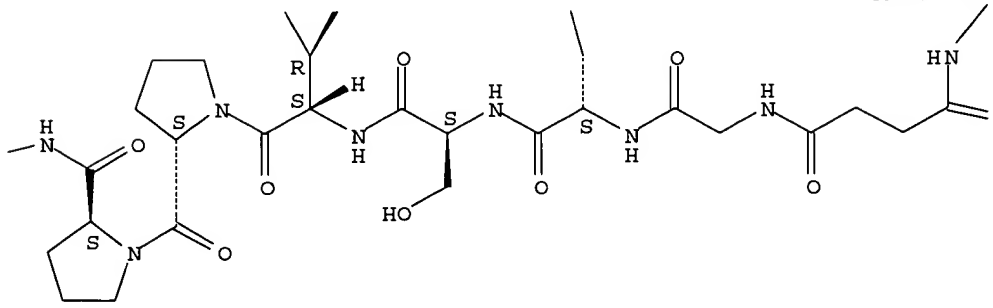
PAGE 1-C



PAGE 2-A

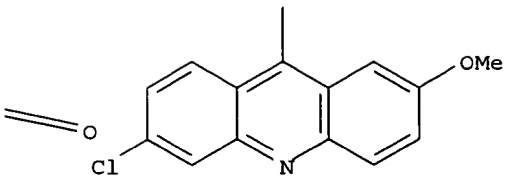


PAGE 2-B



Search done by Noble Jarrell

PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 71 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-81-3** REGISTRY
CN L-Prolinamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 24,15,9
NTE multichain
modified (modifications unspecified)

type	------ location ------		description
bridge	Gly-1	- Lys-2'	covalent bridge

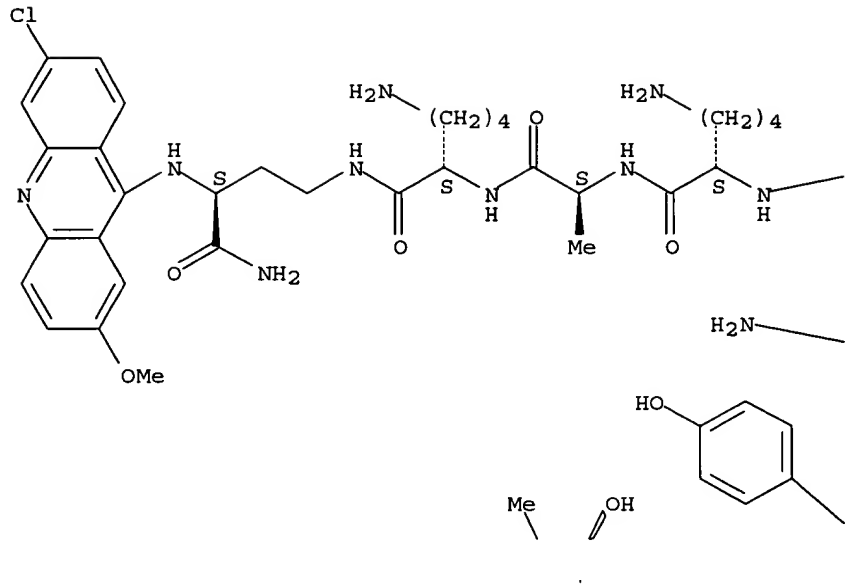
SEQ 1 GYSTPPKKKR KVEDP

SEQ 1 YKKAKAKAK

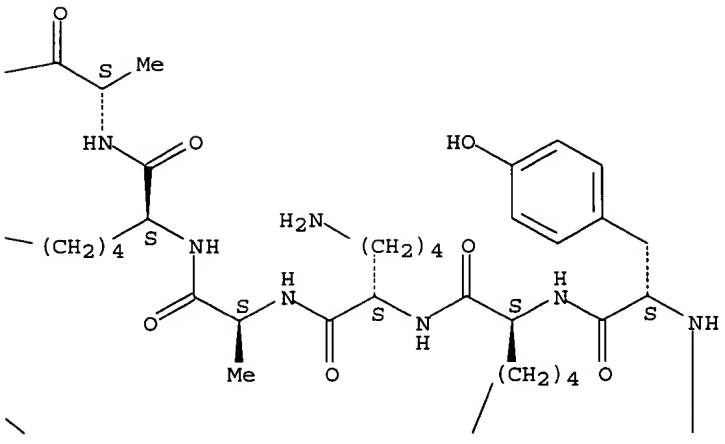
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C161 H242 Cl2 N42 O37
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-B

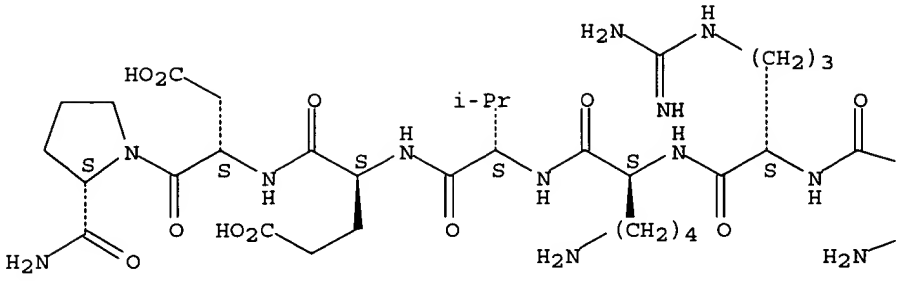


PAGE 1-C

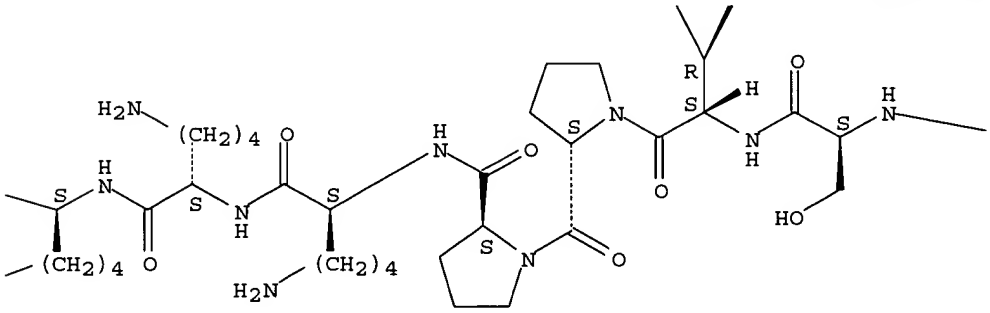


Search done by Noble Jarrell

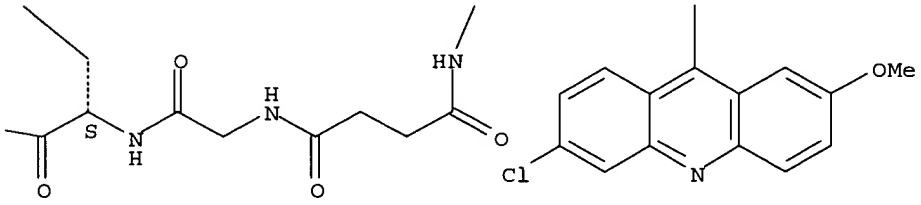
PAGE 2-A



PAGE 2-B



PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 72 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-80-2** REGISTRY
CN Butanamide, N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-N6-[6-(carboxyamino)-1-oxohexyl]-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diamino-, (2→1')-amide with L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 16,9,7
NTE multichain
modified (modifications unspecified)

type	------ location ------		description
bridge	Lys-2	- Lys-1'	covalent bridge

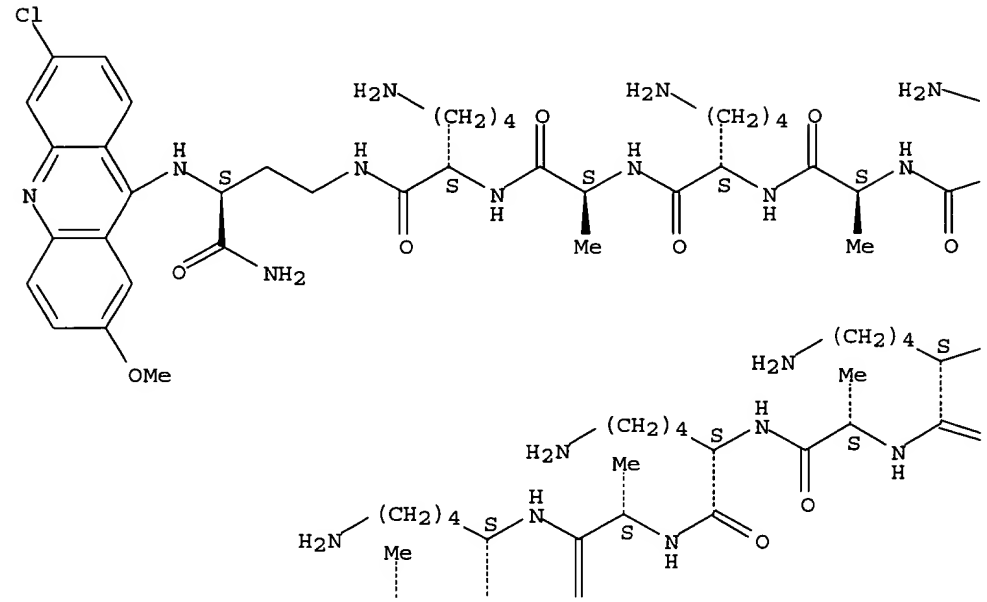
Search done by Noble Jarrell

SEQ 1 YKKAKAKAK

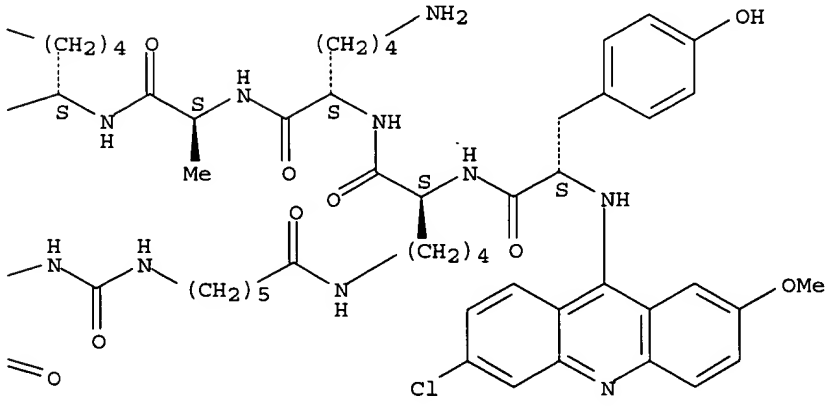
SEQ 1 KAKAKAK
MF C120 H186 Cl2 N32 O22
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A

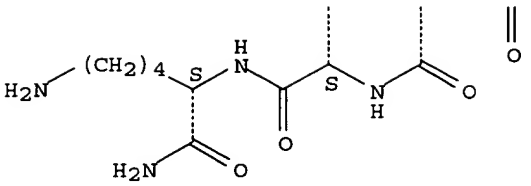


PAGE 1-B



Search done by Noble Jarrell

PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 73 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-79-9** REGISTRY
CN Glycinamide, N2-[[(5-carboxypentyl)amino]carbonyl]-L-arginyl-L-lysyl-L-lysyl-L-arginylglycyl-L-prolyl-L-threonyl-L-seryl-L-tyrosyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 19,10,9
NTE multichain
modified (modifications unspecified)

type	------ location ------	description
bridge	Arg-1 - Lys-2'	covalent bridge

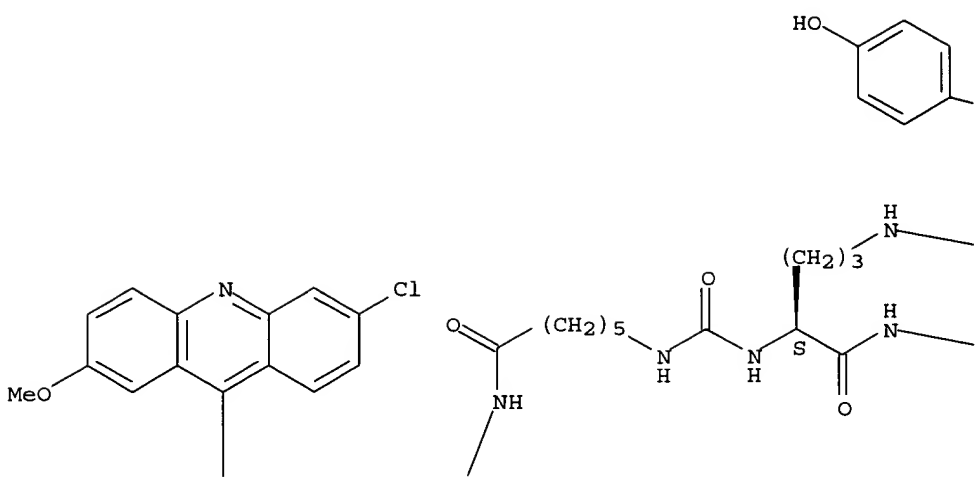
SEQ 1 RKKRGPTSYG

SEQ 1 YKKAKAKAK

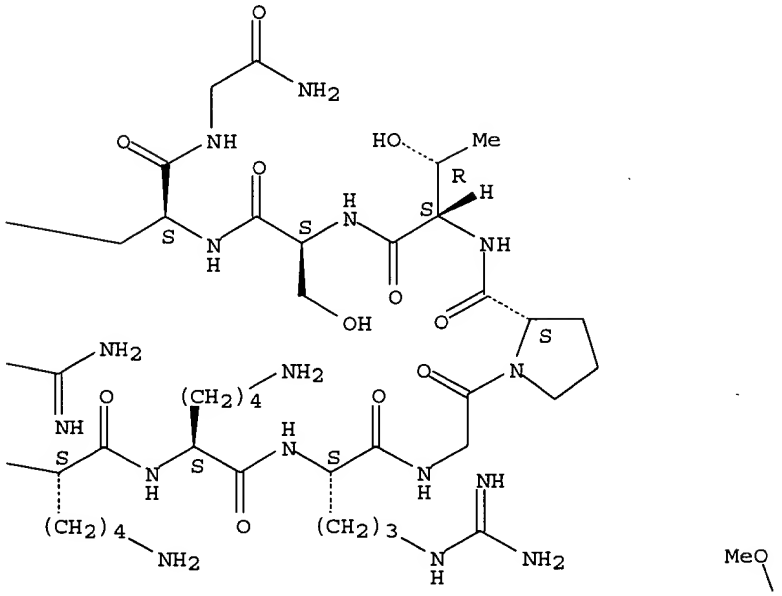
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C136 H205 Cl2 N39 O28
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A

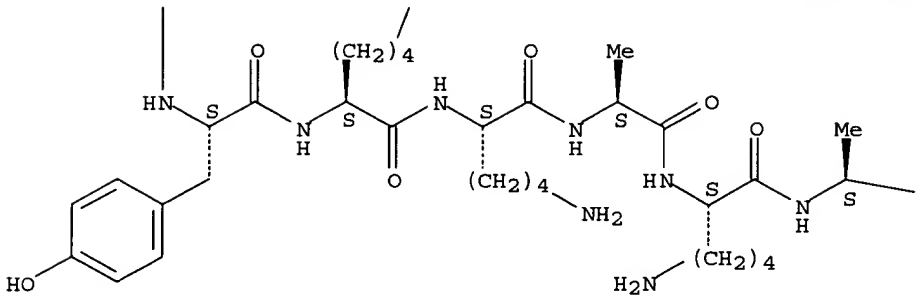


PAGE 1-B

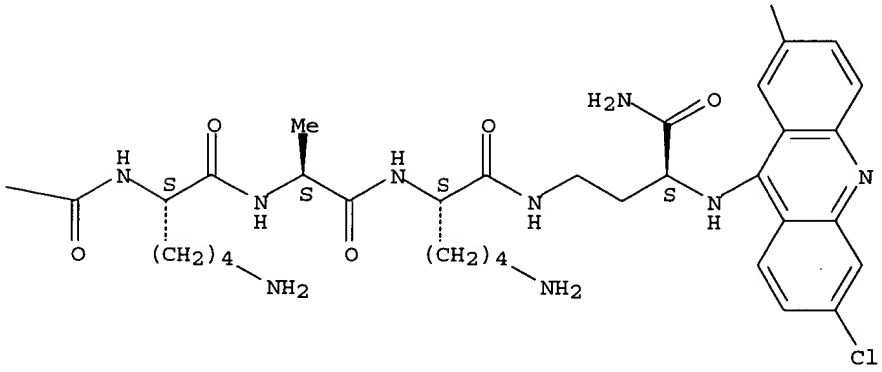


Search done by Noble Jarrell

PAGE 2-A



PAGE 2-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 74 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-78-8** REGISTRY
CN Glycinamide, 1-[[(5-carboxypentyl)amino]carbonyl]-L-prolyl-L-arginyl-L-arginyl-L-arginyl-L-threonyl-L-lysyl-L-prolyl-L-prolyl-L-threonyl-L-seryl-L-tyrosyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 21,12,9
NTE multichain
modified (modifications unspecified)

type	------ location ------		description
bridge	Pro-1	- Lys-2'	covalent bridge

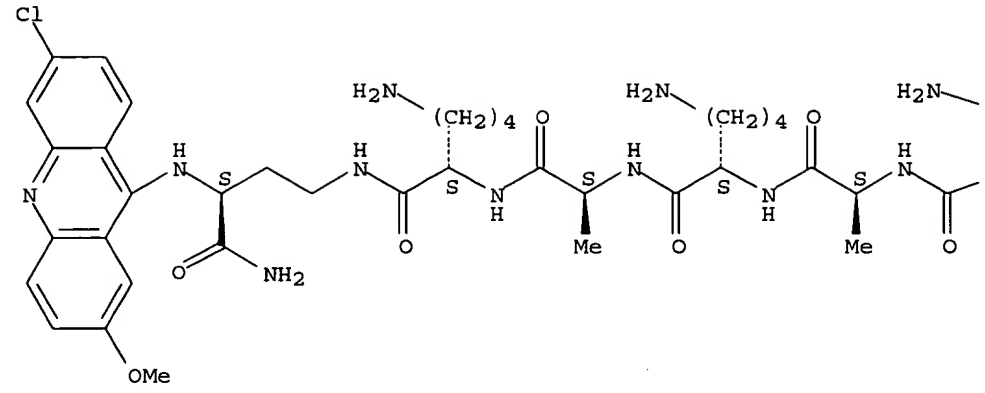
SEQ 1 PRRRTKPPTS YG

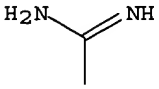
SEQ 1 YKKAKAKAK
MF C148 H223 Cl2 N43 O31
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

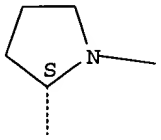
Absolute stereochemistry.

Search done by Noble Jarrell

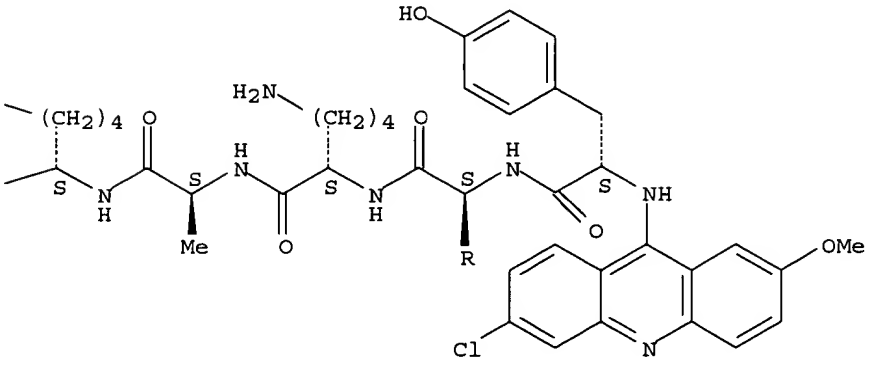
PAGE 1-A

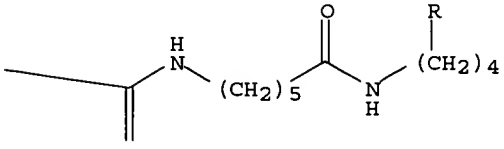




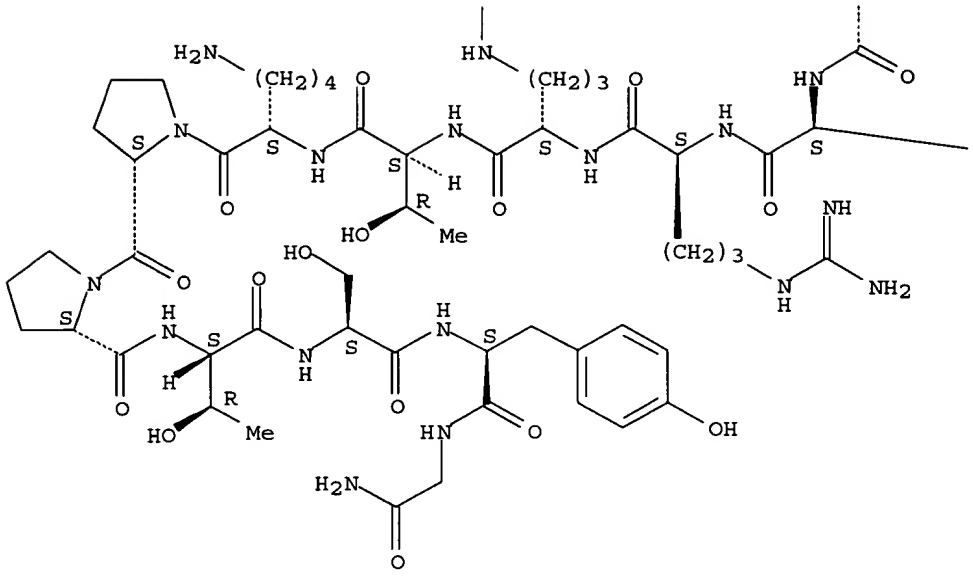


PAGE 1-B

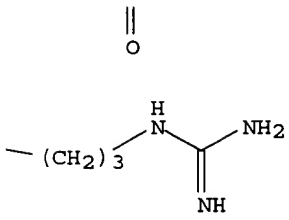




PAGE 2-A



PAGE 2-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 75 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-77-7** REGISTRY
CN Glycinamide, 1-[[(5-carboxypentyl)amino]carbonyl]-L-prolyl-L-α-aspartyl-L-α-glutamyl-L-valyl-L-lysyl-L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-prolyl-L-prolyl-L-threonyl-L-seryl-L-tyrosyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 24,15,9
NTE multichain
modified (modifications unspecified)

type	------ location ------	description
bridge	Pro-1 - Lys-2'	covalent bridge

SEQ 1 PDEVKRKKKP PTSYG

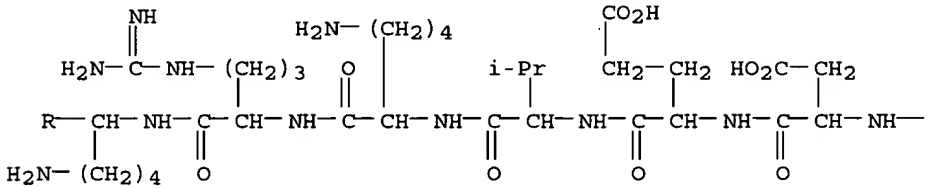
SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C164 H249 Cl2 N43 O37

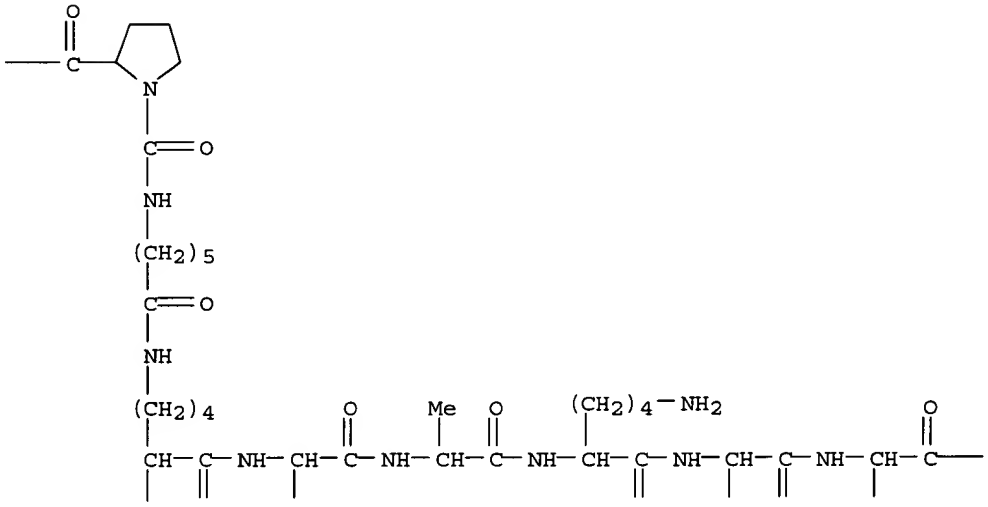
Search done by Noble Jarrell

SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

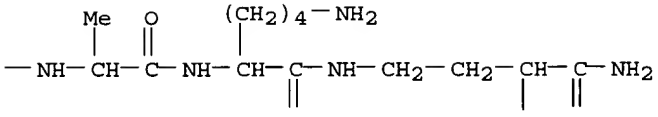
PAGE 1-A



PAGE 1-B



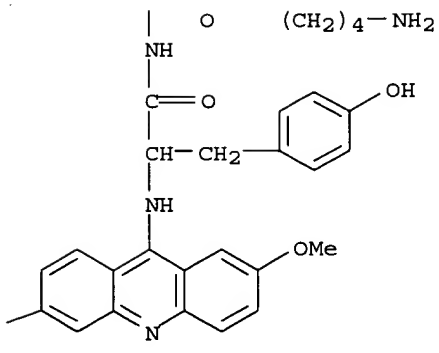
PAGE 1-C

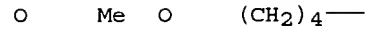


PAGE 2-A

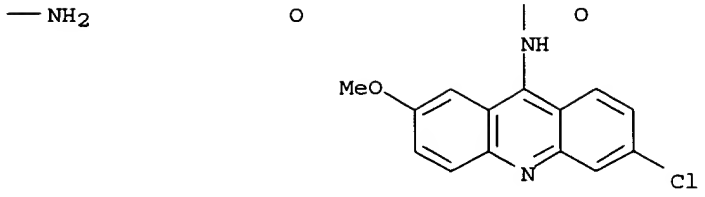
Cl

PAGE 2-B

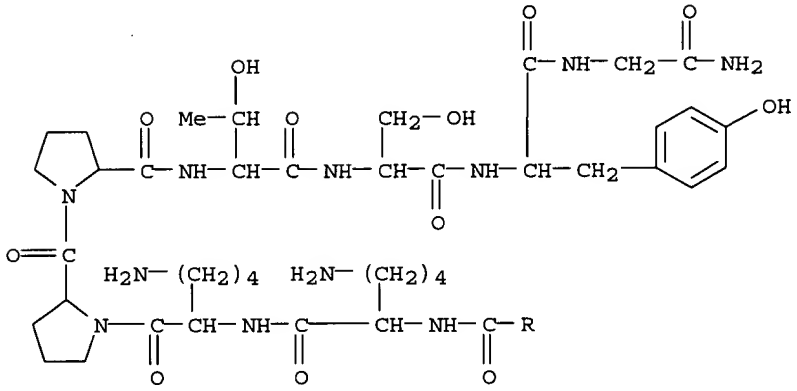




PAGE 2-C



PAGE 3-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

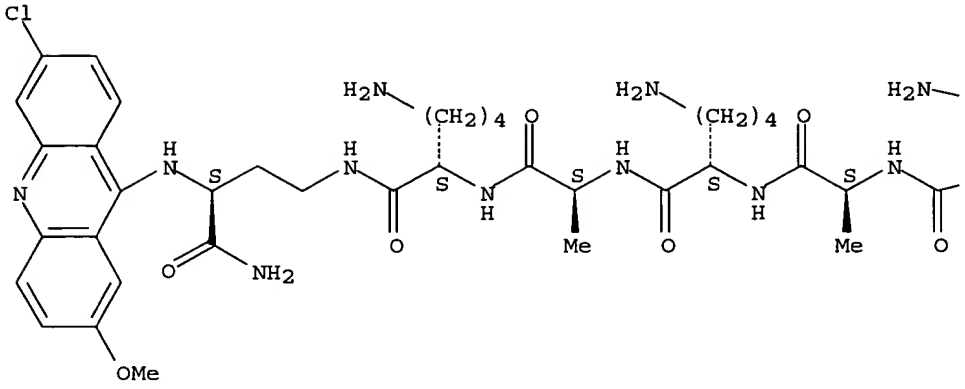
L40 ANSWER 76 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-76-6** REGISTRY
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[6-[(3-mercapto-1-oxopropyl)amino]-1-oxohexyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

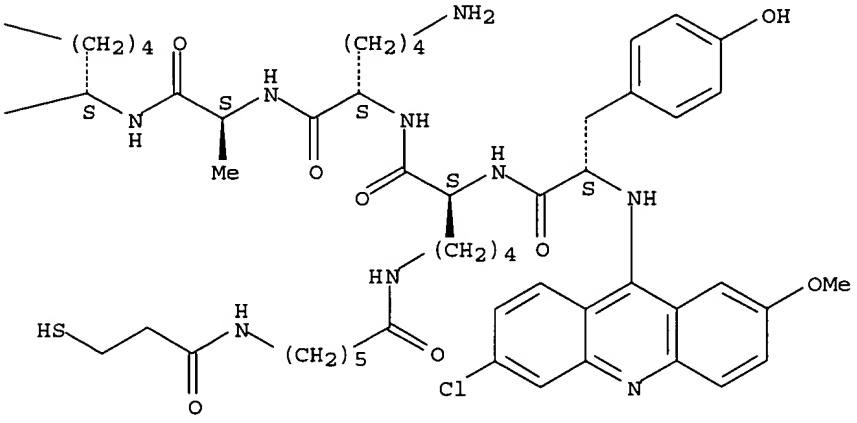
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C89 H126 Cl2 N20 O15 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 77 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-75-5** REGISTRY
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[1-oxo-6-[[1-oxo-3-(2-pyridinyldithio)propyl]amino]hexyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

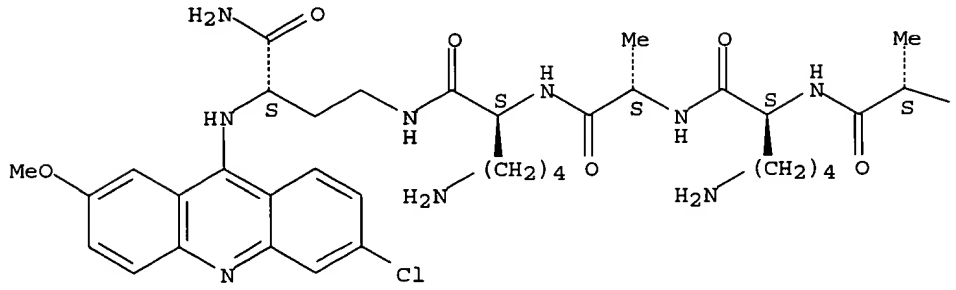
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C94 H129 Cl2 N21 O15 S2
SR CA

Search done by Noble Jarrell

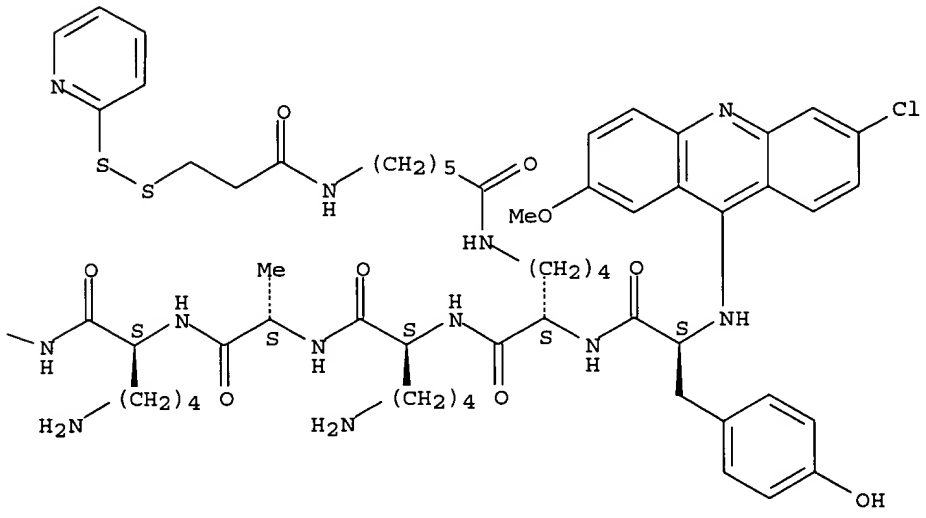
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 78 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-74-4** REGISTRY
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[4-[[2-[[3-[(dihydro-2(3H)-thienylidene)amino]-3-oxopropyl]dithio]ethyl]amino]-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-

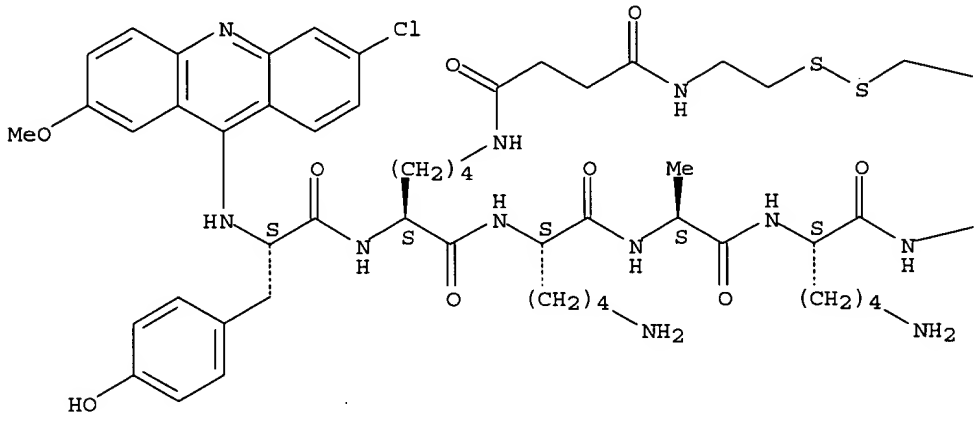
alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

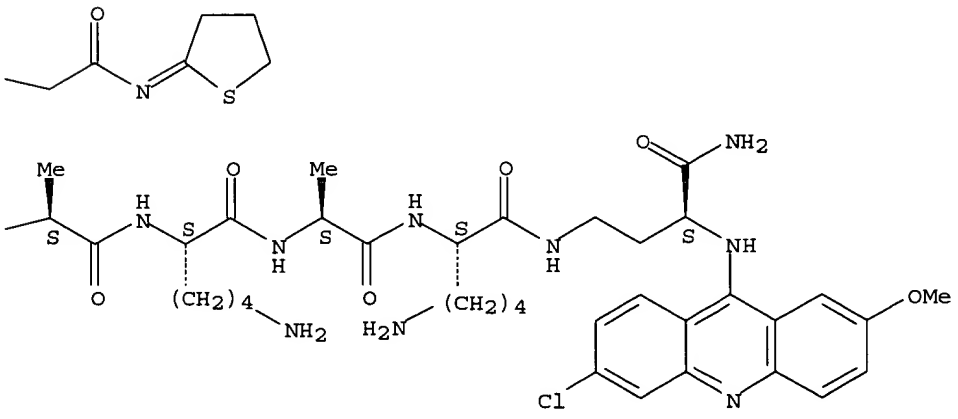
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C93 H129 Cl2 N21 O16 S3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 79 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-73-3** REGISTRY

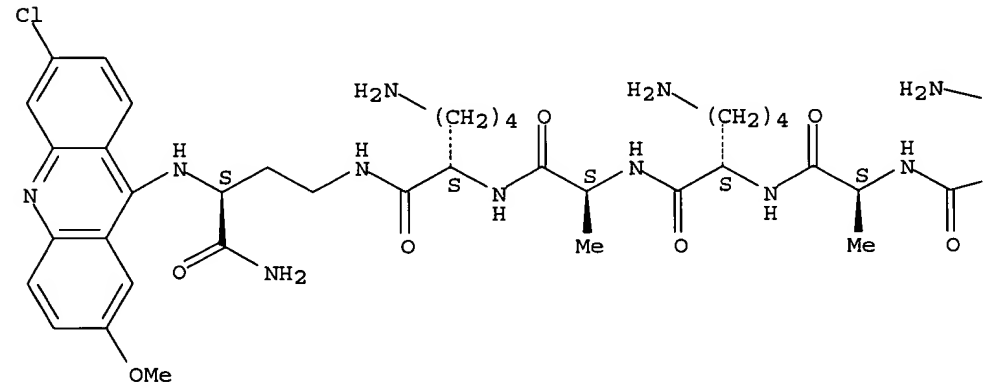
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[4-[(2-mercaptoethyl)amino]-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

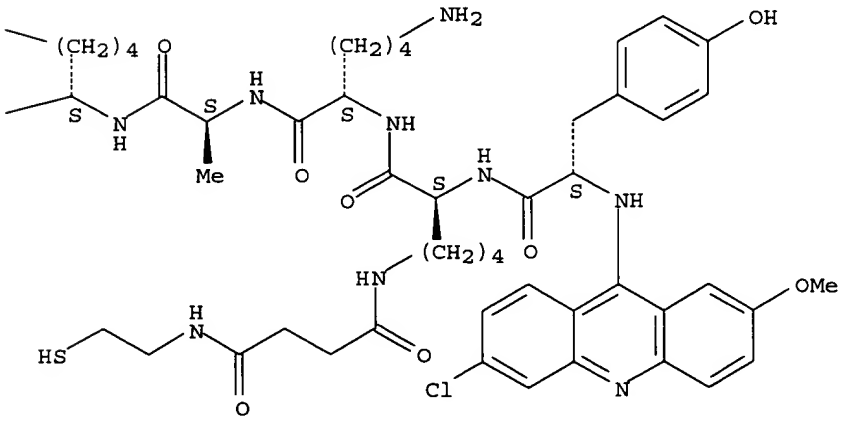
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C86 H120 Cl2 N20 O15 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)

Search done by Noble Jarrell

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

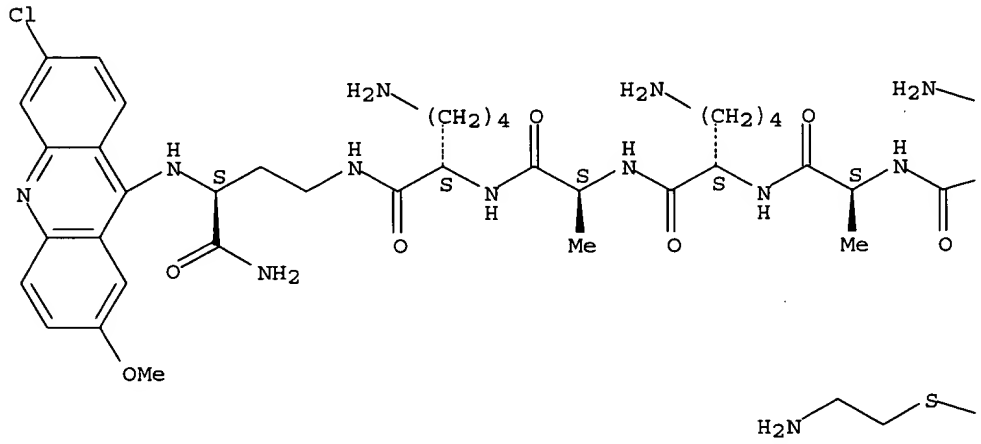
L40 ANSWER 80 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-72-2** REGISTRY
CN Butanamide, N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N6-[4-[[2-[(2-aminoethyl)dithio]ethyl]amino]-1,4-dioxobutyl]-N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

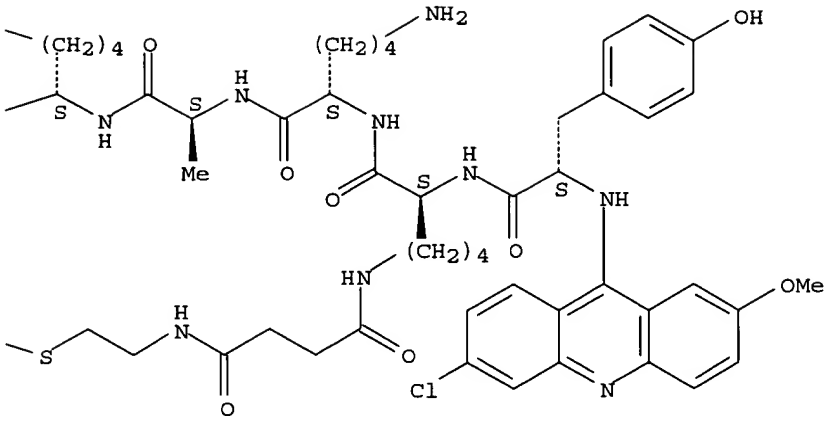
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C88 H125 Cl2 N21 O15 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

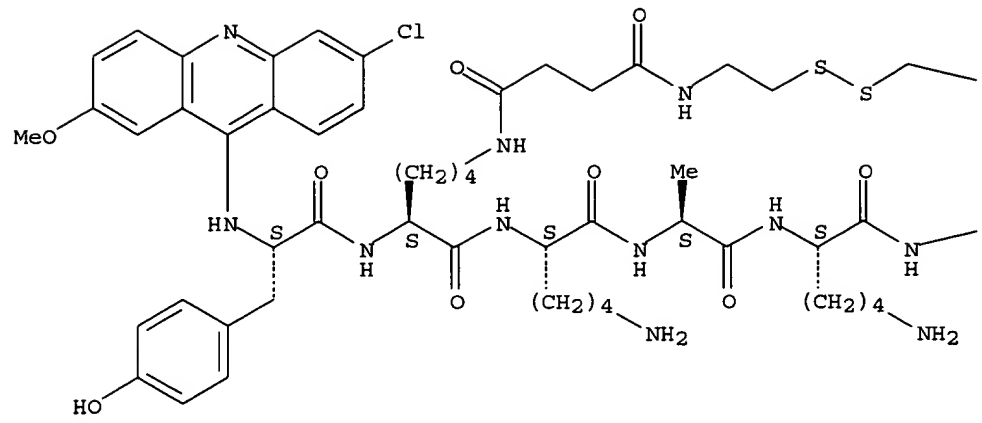
L40 ANSWER 81 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-71-1** REGISTRY
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[4-[[2-[[2-[[5-(1,2-dithiolan-3-yl)-1-oxopentyl]amino]ethyl]dithio]ethyl]amino]-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithiolane, butanamide deriv.
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

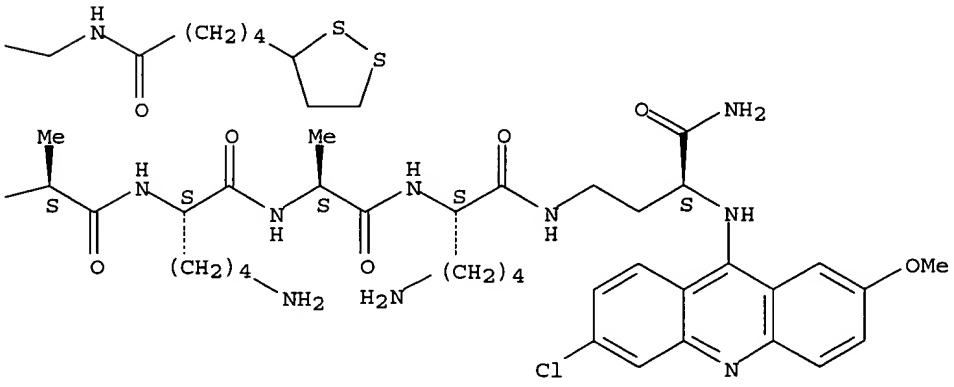
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C96 H137 Cl2 N21 O16 S4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 82 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-70-0** REGISTRY
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[4-[[2-[[2-[[5-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]ethyl]dithio]ethyl]amino]-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino-, [3aS-(3aα,4β,6aα)]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole, butanamide deriv.
FS PROTEIN SEQUENCE
SQL 9
NTE modified (modifications unspecified)

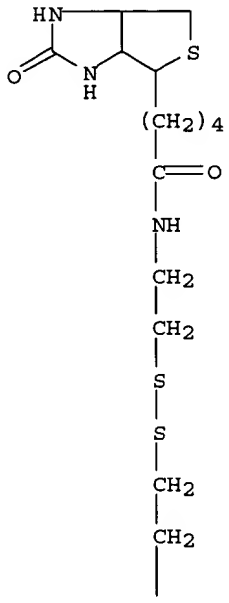
SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C98 H139 Cl2 N23 O17 S3
SR CA

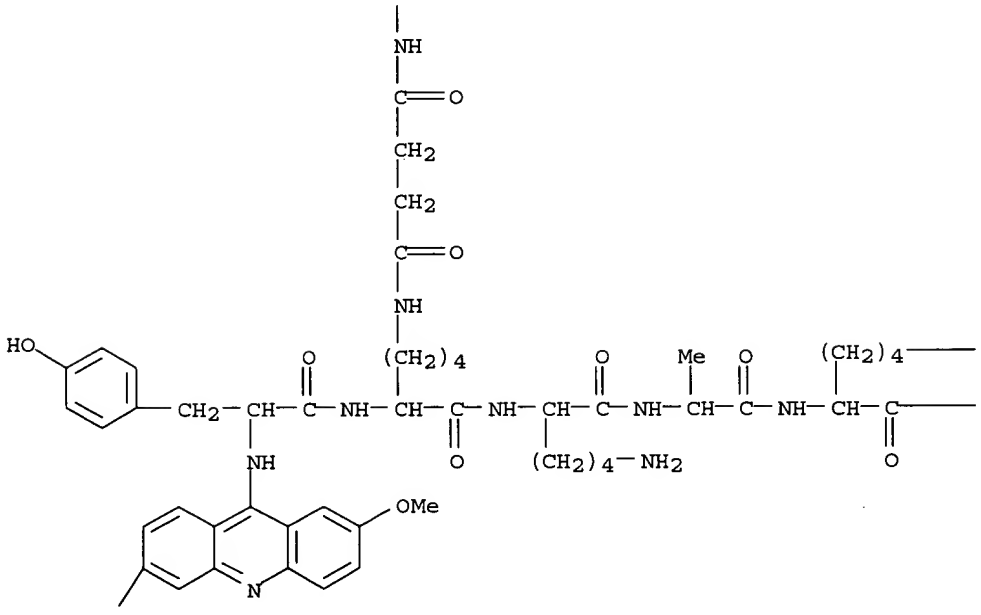
Search done by Noble Jarrell

LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

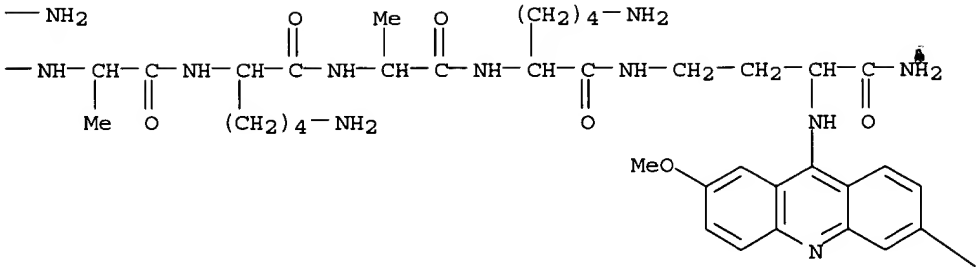
PAGE 1-A



PAGE 2-A



PAGE 2-B



PAGE 3-A

PAGE 3-B

PAGE 3-C

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 83 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **154241-69-7** REGISTRY
CN Butanamide, N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N6-[4-[[2-[[2-[[4-[[4-[[(2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]amino]-4-carboxy-1-oxobutyl]amino]ethyl]dithio]ethyl]amino]-1,4-dioxobutyl]-N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10,9,1
NTE multichain
modified (modifications unspecified)

type	------ location ------	description

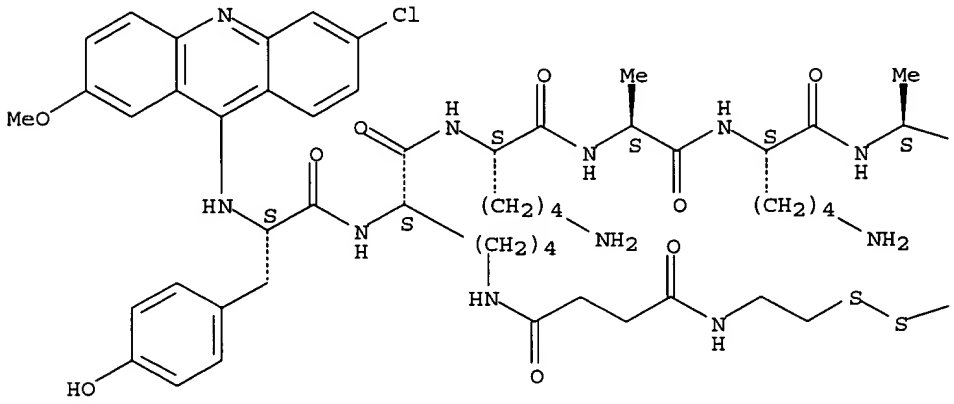
bridge Lys-2 - Gln-1' covalent bridge

SEQ 1 YKKAKAKAK

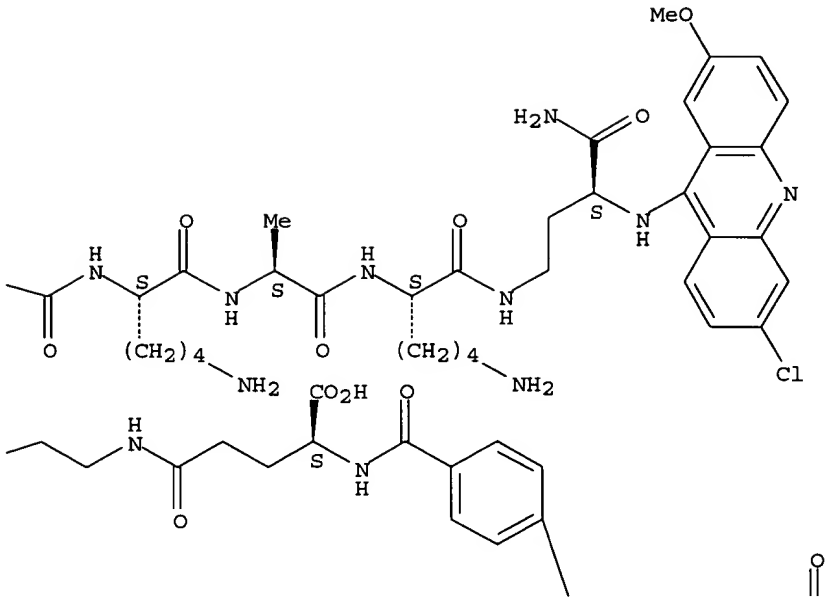
SEQ 1 Q
MF C107 H142 Cl2 N28 O20 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

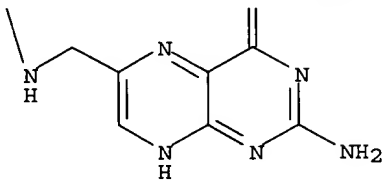
PAGE 1-A



PAGE 1-B



PAGE 2-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 84 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **144315-69-5** REGISTRY
CN Hexadecanamide, (2S)-2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-isoleucyl-L-arginyl-L-isoleucyl-L-glutaminyl-L-arginylglycyl-L-prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-isoleucylglycyl-L-lysyl-2-amino- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Lysinamide, N2,N4-bis(1-oxohexadecyl)-L-2,4-diaminobutanoyl-L-isoleucyl-L-arginyl-L-isoleucyl-L-glutaminyl-L-arginylglycyl-L-prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-isoleucylglycyl-N-[1-(aminocarbonyl)pentadecyl]-
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 18
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Dab-1	-	-
uncommon	Aaa-18	-	-

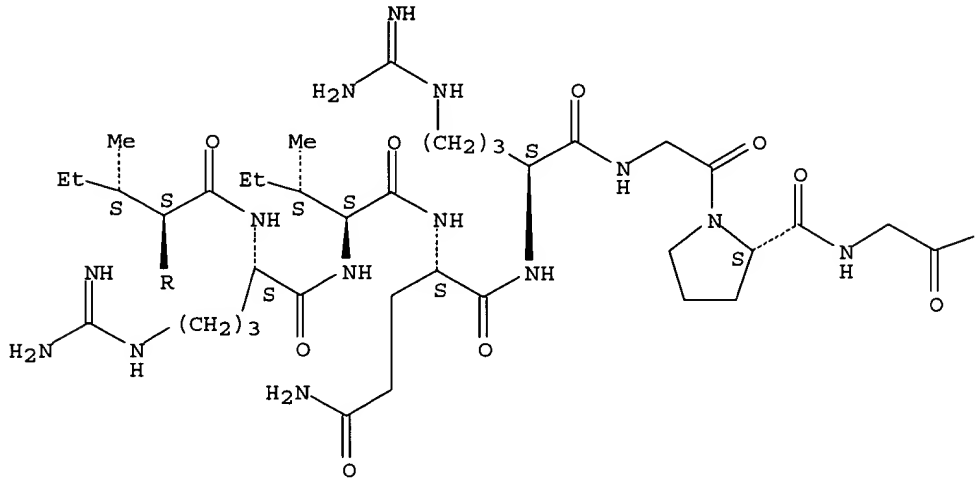
SEQ 1 XIRIQRGPGR AFVTIGKX

Search done by Noble Jarrell

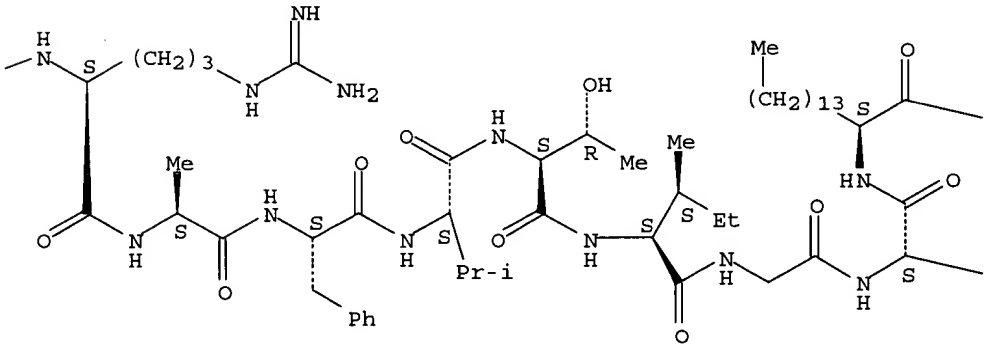
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C131 H237 N31 O22
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

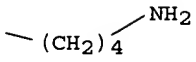
PAGE 1-A



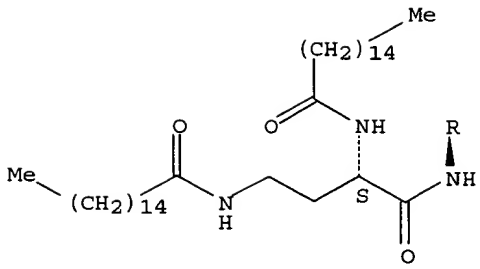
PAGE 1-B



PAGE 1-C



PAGE 2-A



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 85 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **144315-67-3** REGISTRY
CN Hexadecanamide, (2S)-2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-threonyl-L-tyrosyl-L-glutaminyl-L-arginyl-L-threonyl-L-arginyl-L-alanyl-L-leucyl-L-valyl-L-threonylglycyl-2-amino- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glycinamide, N2,N4-bis(1-oxohexadecyl)-L-2,4-diaminobutanoyl-L-threonyl-L-tyrosyl-L-glutaminyl-L-arginyl-L-threonyl-L-arginyl-L-alanyl-L-leucyl-L-valyl-L-threonyl-N-[1-(aminocarbonyl)pentadecyl]-
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 13
NTE modified (modifications unspecified)

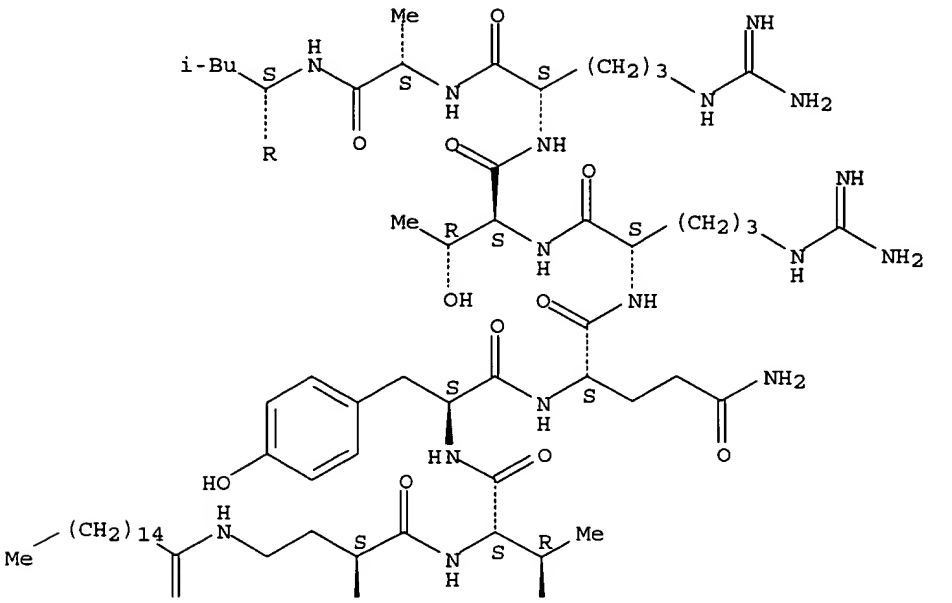
type	------ location ------		description
uncommon	Dab-1	-	-
uncommon	Aaa-13	-	-

SEQ 1 XTYQRTRALV TGX
MF C106 H192 N22 O20
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent

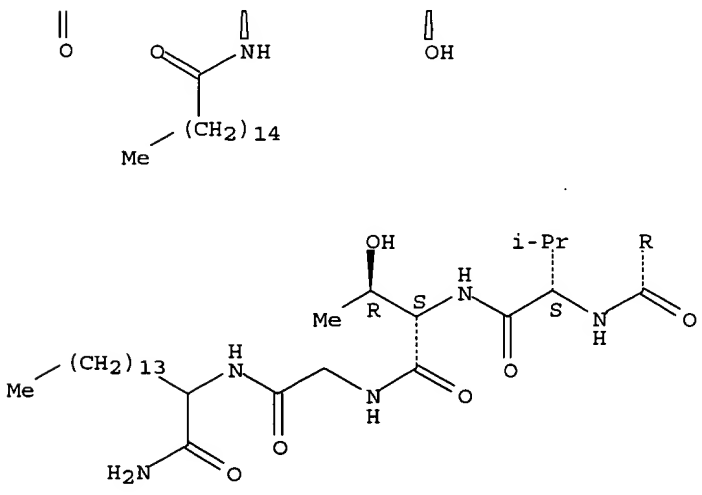
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 86 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **99032-33-4** REGISTRY
CN Polymyxin E2, 1-[N2-(6-methyl-1-oxoheptyl)-N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-3-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-5-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-9-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-, tetrasodium salt (9CI) (CA INDEX NAME)

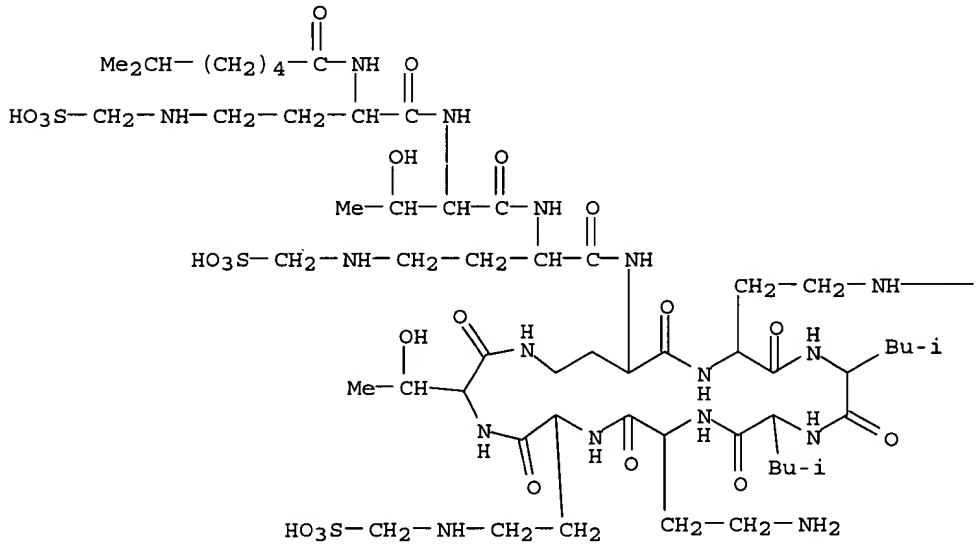
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
FS PROTEIN SEQUENCE
SQL 10
NTE modified (modifications unspecified)

type	------ location ------		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Leu-6	-	D

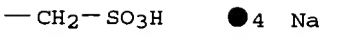
SEQ 1 XTXXXLLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C56 H106 N16 O25 S4 . 4 Na
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)
CRN (30387-41-8)

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 87 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **86408-36-8** REGISTRY
CN Polymyxin B1, 1-de[(2S)-4-amino-2-[(6-methyl-1-oxooctyl)amino]butanoic acid]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
CN Polymyxin B1, 1-de[N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoic acid]-
OTHER NAMES:
CN Polymyxin B nonapeptide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE

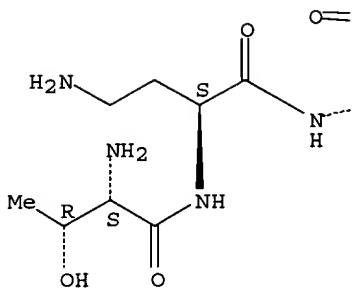
type	------ location ------		description
bridge	Dab-3	- Thr-9	lactam
uncommon	Dab-2	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-7	-	-
uncommon	Dab-8	-	-
stereo	Phe-5	-	D

SEQ 1 TXXXFLXXT

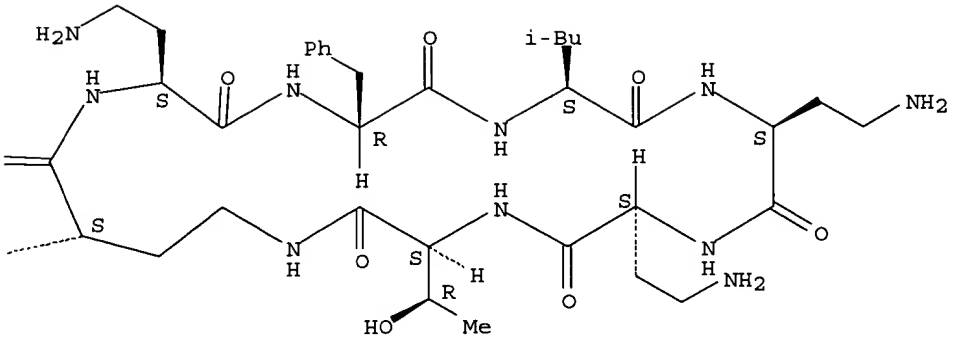
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 126963-95-9, 108203-19-6
MF C43 H74 N14 O11
CI COM
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, PROUSDDR, TOXCENTER, USPATFULL
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (-).

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

80 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
80 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 88 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **28645-37-6** REGISTRY
CN Polymyxin E1, 1-[N2-(6-methyl-1-oxooctyl)-N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-3-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-5-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-9-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-, tetrasodium salt (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
CN Colistin A, 1-[L-2-(6-methyloctanamido)-4-[(sulfomethyl)amino]butyric acid]-3-[L-2-amino-4-[(sulfomethyl)amino]butyric acid]-5-[L-2-amino-4-[(sulfomethyl)amino]butyric acid]-9-[L-2-amino-4-[(sulfomethyl)amino]butyric acid]-, tetrasodium salt (8CI)
FS PROTEIN SEQUENCE
SQL 10
NTE modified (modifications unspecified)

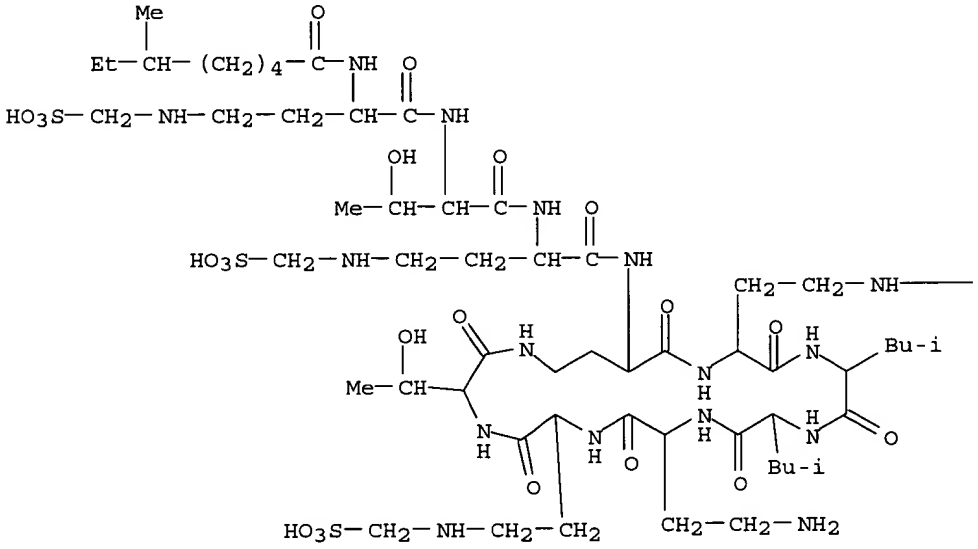
type	------ location ------	description

bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Leu-6	-	D

SEQ 1 XTXXXLLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C57 H108 N16 O25 S4 . 4 Na
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Journal; Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)
RL.NP Roles from non-patents: PREP (Preparation)
CRN (30387-39-4)

PAGE 1-A



PAGE 1-B

— CH_2— SO_3H ● 4 Na

2 REFERENCES IN FILE CA (1907 TO DATE)

Search done by Noble Jarrell

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 89 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **8068-28-8** REGISTRY
CN Colistimethate sodium (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Colistinmethanesulfonic acid (6CI)
OTHER NAMES:
CN Colimycin M
CN Colimycin sodium methanesulfonate
CN Colistimethate
CN Colistin sodium methanesulfonate
CN Colistin sulfomethate
CN Colistin sulfomethate sodium
CN Colistin, methyl sulfate, sodium salt
CN Colistinat
CN Coly-Mycin injectable
CN Colymycin M
CN Sodium colistimethate
CN Sodium colistinmethanesulfonate
CN W 1929
AR 3061-80-1, 27010-23-7
DR 12676-33-4, 12768-67-1, 8068-37-9, 11033-40-2, 11048-71-8, 1867-68-1, 21362-08-3, 2680-63-9, 37196-55-7, 155704-91-9
ENTE Generic name for a pharmaceutical preparation It is a sulfomethyl derivative of colistin in which four sulfomethyl groups are attached to four of the five free side chain amino groups. Since colistin is a mixture of at least three components (A,B and C), this pharmaceutical preparation is a mixture of the sulfomethyl derivatives of each component.
MF Unspecified
CI COM, MAN
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DIOGENES, EMBASE, IPA, MRCK*, MSDS-OHS, PHAR, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

219 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
219 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

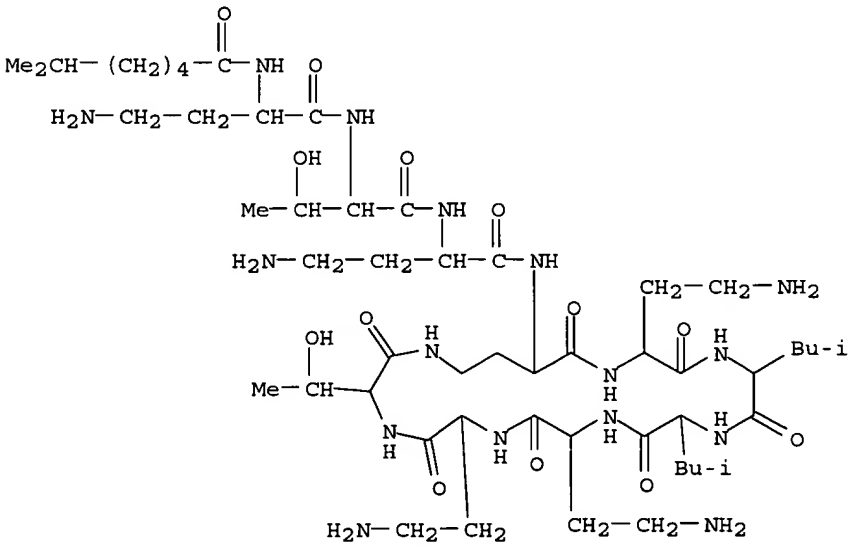
L40 ANSWER 90 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **7239-48-7** REGISTRY
CN Polymyxin E2 (7CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
CN Colistin B (8CI)
OTHER NAMES:
CN Colistin I

CN L-Threonine, N2-(6-methyl-1-oxoheptyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-leucyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide
CN N2-(6-Methyl-1-oxoheptyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-leucyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-threonine cyclic (10→4)-peptide
FS PROTEIN SEQUENCE
SQL 10
NTE modified (modifications unspecified)

type	------ location ------		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-

SEQ 1 XTXXXLLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C52 H98 N16 O13
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, EMBASE, IPA, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses); NORL (No role in record)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

40 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
40 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L40 ANSWER 91 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **6683-17-6** REGISTRY
CN Polymyxin M1 (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Polymyxin E1, 7-L-threonine-
OTHER NAMES:
CN L-Threonine, N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-leucyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified (modifications unspecified)

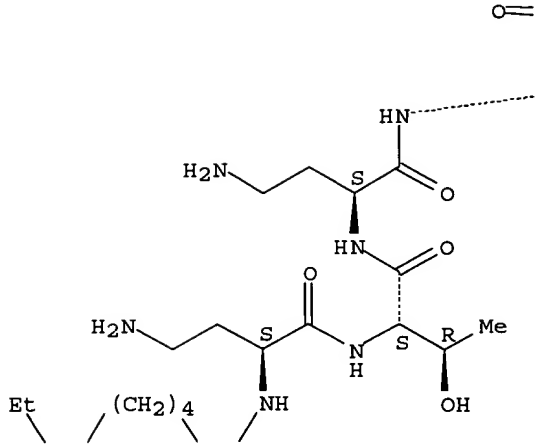
type	------ location ------		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Leu-6	-	D

SEQ 1 XTXXXLTXXT

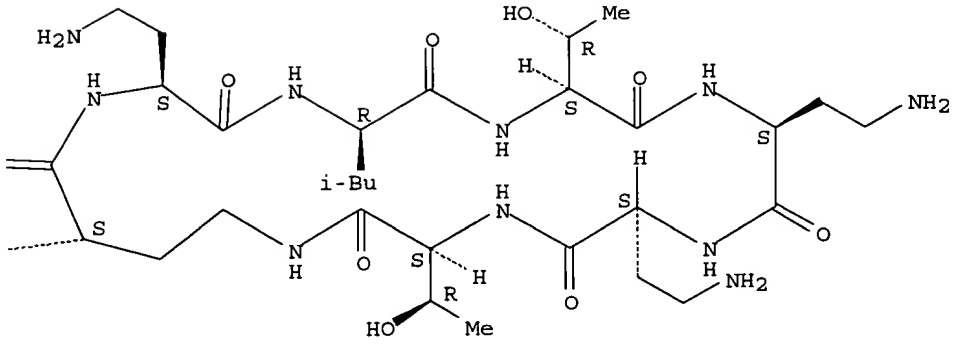
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 807261-66-1, 687977-48-6, 11005-17-7, 11016-30-1, 17670-07-4
MF C51 H96 N16 O14
CI COM
LC STN Files: BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, DDFU, DRUGU, EMBASE, RTECS*, TOXCENTER
(*File contains numerically searchable property data)
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.
Currently available stereo shown.

PAGE 1-A



PAGE 1-B



PAGE 2-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

207 REFERENCES IN FILE CA (1907 TO DATE)
15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
207 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L40 ANSWER 92 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN **4135-11-9** REGISTRY

Search done by Noble Jarrell

CN Polymyxin B1 (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
OTHER NAMES:
CN L-Threonine, N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide
CN N2-(6-Methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-threonine cyclic (10→4)-peptide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified (modifications unspecified)

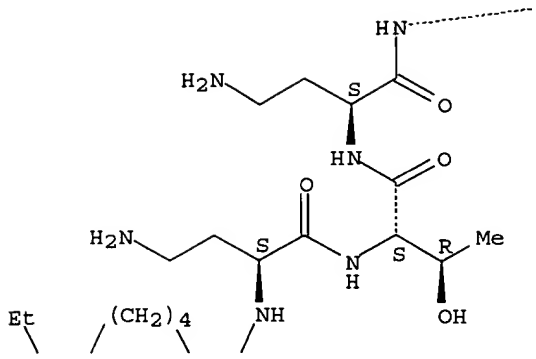
type	------ location ------		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Phe-6	-	D

SEQ 1 XTXXXFLXXT

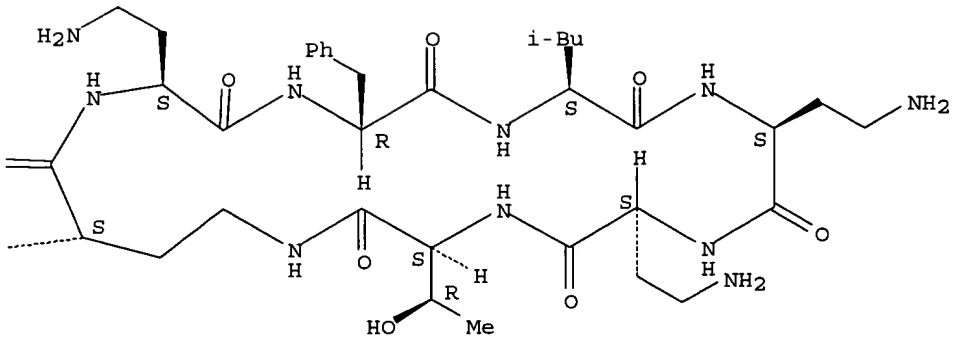
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 109799-79-3, 4696-62-2
MF C56 H98 N16 O13
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, RTECS*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

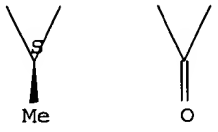
PAGE 1-A



PAGE 1-B



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

67 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
67 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Search done by Noble Jarrell

```
=> b hcao
FILE 'HCAOLD' ENTERED AT 10:34:08 ON 26 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING
FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate
substance identification.  Title keywords, authors, patent
assignees, and patent information, e.g., patent numbers, are
now searchable from 1907-1966.  TIFF images of CA abstracts
printed between 1907-1966 are available in the PAGE
display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REGlstRY for direct browsing and searching of
all substance data from the REGISTRY file.  Enter HELP FIRST for
more information.

=> d all l27 tot

L27  ANSWER 1 OF 2  HCAOLD  COPYRIGHT 2005 ACS on STN
AN   CA65:15167d  CAOLD
TI   Radioactive Pharmaceuticals (book)
AU   Andrews, Gould A.; Kniseley, R. M.; Wagner, H. N., Jr.
DT   Book
TI   antibiotic and sulfonamide oral prepns.
PA   Instituto de Biologia y Sueroterapia S.A.
DT   Patent
     PATENT NO.     KIND          DATE
     ------------   -----------   ----
PI   ES 308870                    <--
IT     57-68-1      68-35-9      85-73-4      94-19-9     116-43-8     122-11-2
     126-07-8     127-69-5     127-79-7     131-69-1     297-95-0     303-81-1
     3922-90-5    4696-62-2    7803-58-9

L27  ANSWER 2 OF 2  HCAOLD  COPYRIGHT 2005 ACS on STN
AN   CA64:17710f  CAOLD
TI   vasopressin analogs
PA   Ceskoslovenska Akademie Ved
DT   Patent
     PATENT NO.     KIND          DATE
     ------------   -----------   ----
PI   NL 6507943                   <--
     BE 665612                    <--
IT   1234-35-1    5364-52-3    5364-53-4    5364-56-7    5364-58-9
     5364-62-5    5364-64-7    5364-66-9    5364-68-1    5364-71-6
     5508-77-0    5508-81-6    5591-81-1    5687-27-4    5687-58-1    5687-59-2
     5995-52-8    5995-58-4    6036-96-0    6056-56-0    6056-57-1    6382-93-0
     6667-83-0    6675-82-7    7691-73-8   96955-44-1


=> b reg;d sqide l28 tot
FILE 'REGISTRY' ENTERED AT 10:34:28 ON 26 SEP 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   25 SEP 2005  HIGHEST RN 863878-84-6
```

DICTIONARY FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

L28 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN **6675-82-7** REGISTRY
CN Glycinamide, S-benzyl-N-(p-tolylsulfonyl)-L-cysteinyl-L-tyrosyl-L-phenylalanyl-L-glutaminyl-L-asparaginyl-S-benzyl-L-cysteinyl-L-prolyl-Nγ-(p-tolylsulfonyl)-D-α,γ-diaminobutyryl- (8CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glycinamide, S-benzyl-N-p-tolylsulfonyl-L-cysteinyl-L-tyrosyl-L-phenylalanyl-L-glutaminyl-L-asparaginyl-S-benzyl-L-cysteinyl-L-prolyl-Nγ-p-tolylsulfonyl-D-α,γ-diaminobutyryl- (7CI)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified

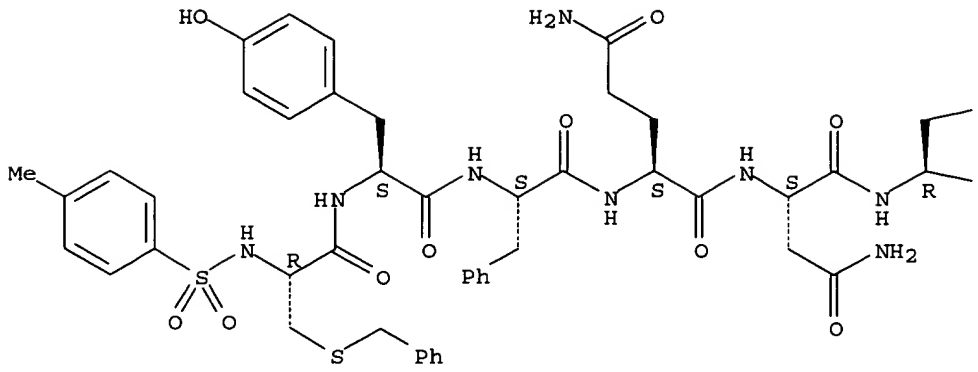
type	location		description
terminal mod.	Gly-9	-	C-terminal amide
uncommon	Dab-8	-	-
modification	Cys-1	-	(4-methylphenyl)sulfonyl<Tos>
modification	Cys-1	-	phenylmethyl<Bzl>
modification	Cys-6	-	phenylmethyl<Bzl>
modification	Dab-8	-	(4-methylphenyl)sulfonyl<Tos>

SEQ 1 CYFQNCPXG

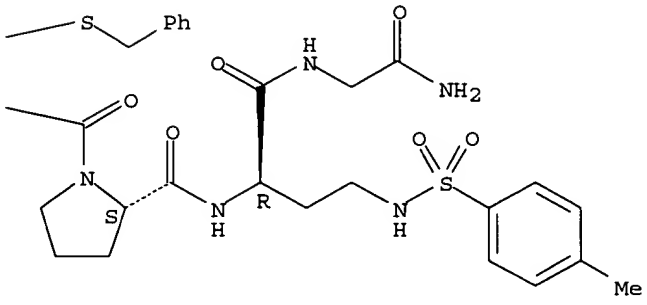
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C72 H87 N13 O16 S4
LC STN Files: BEILSTEIN*, CAOLD
(*File contains numerically searchable property data)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L28 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN **5364-71-6** REGISTRY
CN Vasopressin, 8-(D-2,4-diaminobutanoic acid)-, diacetate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithia-5,8,11,14,17-pentaazacycloeicosane, cyclic peptide deriv.
CN Vasopressin, 8-(D-2,4-diaminobutyric acid), diacetate (7CI)
CN Vasopressin, 8-(D-2,4-diaminobutyric acid)-, diacetate (salt) (8CI)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified

type	location			description
terminal mod.	Gly-9		-	C-terminal amide
bridge	Cys-1	-	Cys-6	disulfide bridge
uncommon modification	Dab-8		-	-
	-		-	undetermined modification

SEQ 1 CYFQNCPXG

Search done by Noble Jarrell

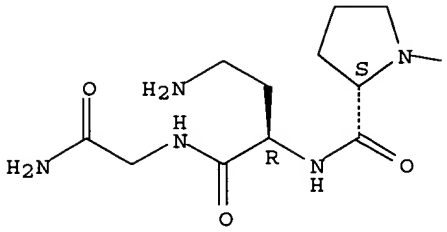
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C44 H61 N13 O12 S2 . 2 C2 H4 O2
LC STN Files: CAOLD

CM 1

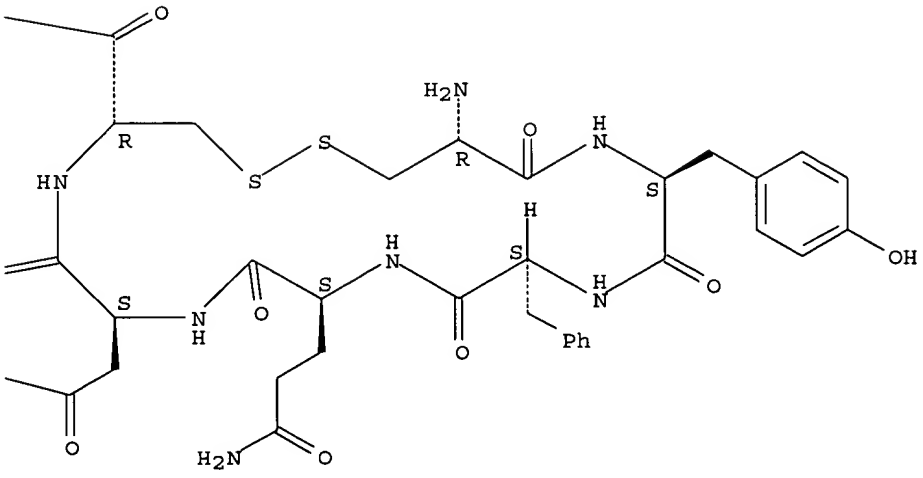
CRN 5364-58-9
CMF C44 H61 N13 O12 S2

Absolute stereochemistry.

PAGE 1-A

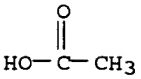


PAGE 1-B



CM 2

CRN 64-19-7
CMF C2 H4 O2



2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L28 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN **5364-58-9** REGISTRY
CN Vasopressin, 8-(D-2,4-diaminobutanoic acid)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithia-5,8,11,14,17-pentaazacycloeicosane, cyclic peptide deriv.
CN Vasopressin, 8-(D-2,4-diaminobutyric acid)- (7CI, 8CI)
OTHER NAMES:
CN D-Dab8-vasopressin
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified

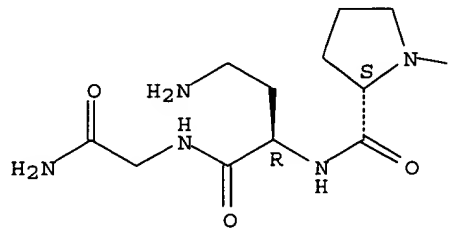
type	------ location ------		description
terminal mod.	Gly-9	-	C-terminal amide
bridge	Cys-1	- Cys-6	disulfide bridge
uncommon	Dab-8	-	-

SEQ 1 CYFQNCPXG

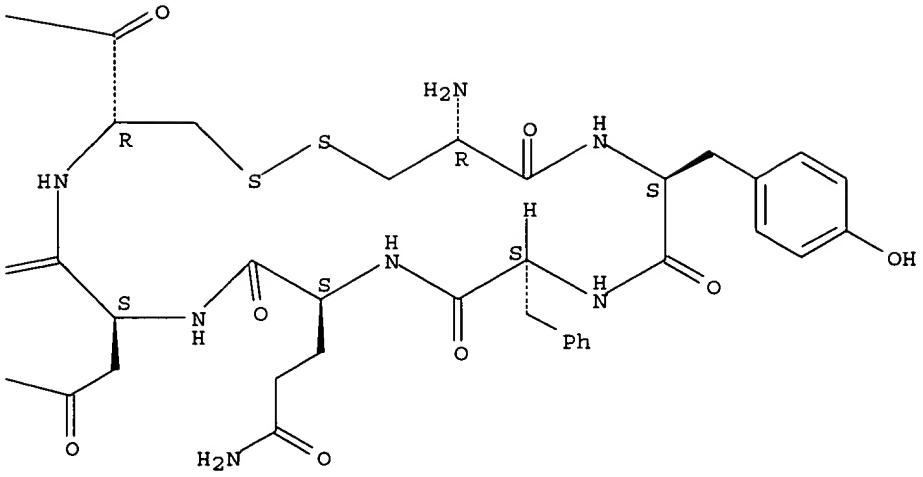
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 31025-40-8
MF C44 H61 N13 O12 S2
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Conference; Journal
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties); RACT (Reactant or reagent)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L28 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
RN 4135-11-9 REGISTRY
CN Polymyxin B1 (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
OTHER NAMES:
CN L-Threonine, N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide
CN N2-(6-Methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-threonine cyclic (10→4)-peptide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified (modifications unspecified)

type	location	description
bridge	Dab-4 - Thr-10	lactam
uncommon	Dab-1 -	-
uncommon	Dab-3 -	-
uncommon	Dab-4 -	-
uncommon	Dab-5 -	-
uncommon	Dab-8 -	-
uncommon	Dab-9 -	-
stereo	Phe-6 -	D

SEQ 1 XTXXXFLXXT

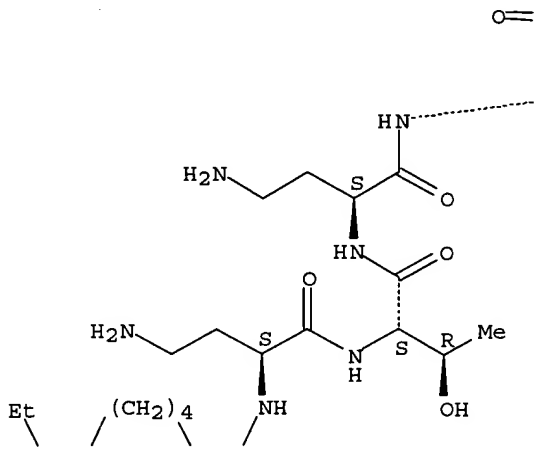
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR **109799-79-3, 4696-62-2**

Search done by Noble Jarrell

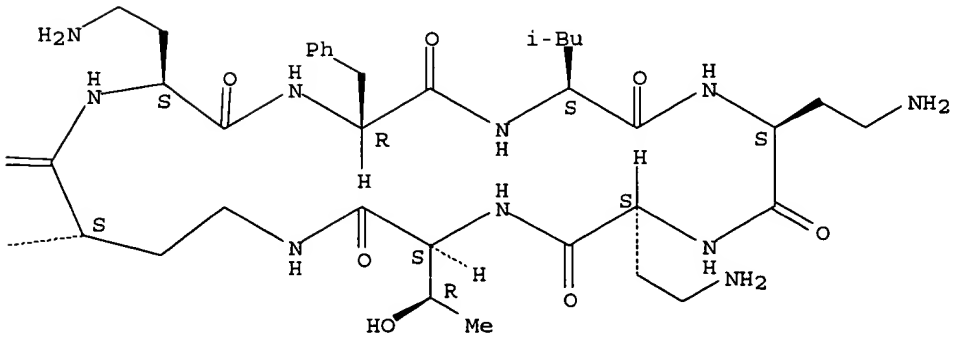
MF C56 H98 N16 O13
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, RTECS*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A

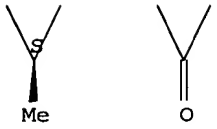


PAGE 1-B



Search done by Noble Jarrell

PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

67 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
67 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b home
FILE 'HOME' ENTERED AT 10:34:34 ON 26 SEP 2005

=>